



## Professor John Gerard Breslin

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## SUMMARY

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Award-Winning and Highly-Cited Professor in Engineering and Informatics at the University of Galway; Principal Investigator at Insight; Programme Director of TechInnovate and AgInnovate; Serial Entrepreneur, Startup Co-Founder and Board Member; Bestselling Co-Author of the “Old Ireland in Colour” Book Series

## PROFESSIONAL EXPERIENCE

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*Personal Professor (2019 – Present)*

*Senior Lecturer (2014 – 2019)*

*Lecturer Above the Bar (2008 – 2014)*

College of Engineering and Informatics, University of Galway (NUI Galway)

2008 – Present

*Postgraduate Researcher and Adjunct Lecturer*

Digital Enterprise Research Institute, University of Galway (NUI Galway)

2004 – 2008

*Junior Lecturer (Fixed Term)*

Department of Electronic Engineering, University of Galway (NUI Galway)

2000 – 2004

*Research Officer*

Power Electronics Research Centre, University of Galway (UCG, NUI Galway)

1997, 1998, 1999

## EDUCATION

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*Diploma in Arts, French, First Class Honours*

University of Galway (NUI Galway), Ireland

2021

*Executive Program, Entrepreneurship Development*

Massachusetts Institute of Technology, Cambridge, MA, USA

2017

*Postgraduate Certificate, Teaching and Learning in Higher Education*

University of Galway (NUI Galway), Ireland

2013

*Doctor of Philosophy, Engineering*

University of Galway (NUI Galway), Ireland

2002

*Bachelor of Engineering, Electronics, First Class Honours*

University of Galway (UCG), Ireland

1994



(see graph on right), including academic, government and industrial co-authors in organisations such as Cisco, Harvard Medical School, IBM, the US Government's Department of Health and Human Services.

My publications have been cited in patents granted to Cisco, Google, IBM, Offerpop and SAP, and patent applications by HP and Siemens, amongst others.

“Old Ireland in Colour” co-authored with Dr. Sarah-Anne Buckley is a bestselling book that brings Irish historical black and white photographs to life using a combination of artificial intelligence and human colourisation, and sold 50,000 copies in Ireland during 2020 (over €1,000,000 in sales). The sequel “Old Ireland in Colour 2” was also an Irish bestseller in 2021. Combined, both books have sold over 125,000 copies.

“The Social Semantic Web” is a recommended course book in modules at Anna University Chennai, Boğaziçi University, Institute of Technology Tallaght, National Institute of Technology Patna, Technical University of Munich, University of Bamberg, University of Vigo, Utrecht Graduate School of Humanities. It has been downloaded over 10,000 times. Two independent reviews are given below:

“The book focuses mainly on the social Web and possibilities of its integration with the semantic Web. ... For Web developers, researchers, and graduate students, this book would be an ideal source for becoming acquainted with the evolving field of social applications on the Web. It may well fit into a seminar in information systems or related graduate study programs” (Mária Bieliková, ACM Computing Reviews, September 2010)

“This book provides an easy-to-understand insight into Semantic Web and Social Web technologies and highlights research challenges when applying these technologies. ... each chapter provides a literature survey which provides an introduction state-of-the-art research from the domain. ... can be of interest for those, who consider using any of these Social Web applications in their research as well as those just want to get a solid foundation on the topic. ... IT professionals, researchers, academics and graduate students can all benefit from reading this book.” (Frank Hopfgartner, Informer, January 2012)

My Erdős number is 4: I was a coauthor with Eugene G. Gath on DOI: 10.1109/63.838110. Eugene G. Gath was a coauthor with Thomas J. Laffey on MR1335554 (96f:11139). Thomas J. Laffey was a coauthor with LeRoy B. Beasley on MR1058113 (91f:15008). LeRoy B. Beasley was a coauthor with Paul Erdős on MR0902513 (88j:20006).

## Peer Reviewed Publications

### Books

- [1] John G Breslin and Sarah-Anne Buckley. *Old Ireland in Colour 3*. Merrion Press, Oct. 2023. ISBN: 9781785374715.
- [2] John G Breslin and Sarah-Anne Buckley. *Old Ireland in Colour 2*. Irish Bestseller. Merrion Press, Sept. 2021. ISBN: 9781785374111.
- [3] John G Breslin and Sarah-Anne Buckley. *Old Ireland in Colour*. Irish Bestseller. Merrion Press, Oct. 2020. ISBN: 9781785373701.
- [4] Pascal Molli, John G Breslin, and Maria-Esther Vidal, eds. *Semantic Web Collaborative Spaces*. Vol. 9507. LNCS. Springer, Apr. 2016.
- [5] Fabien Gandon, Christophe Guéret, Serena Villata, John G Breslin, Catherine Faron-Zucker, and Antoine Zimmermann, eds. *The Semantic Web: ESWC 2015 Satellite Events*. Springer, Oct. 2015. ISBN: 9783319256382.

- [6] Tope Omitola, Sebastián A Ríos, and John G Breslin. *Social Semantic Web Mining*. Morgan and Claypool, Jan. 2015. ISBN: 9781627053983.
- [7] John G Breslin, Nicole B Ellison, James G Shanahan, and Zeynep Tufekci, eds. *Proceedings of the Sixth International Conference on Weblogs and Social Media*. AAAI Press, June 2012. ISBN: 9781577355564.
- [8] John G Breslin, Thomas N Burg, Hong-Gee Kim, Tom Raftery, and Jan-Hinrik Schmidt, eds. *Recent Trends and Developments in Social Software*. Springer, Nov. 2010. ISBN: 9783642165801.
- [9] John G Breslin, Alexandre Passant, and Stefan Decker. *The Social Semantic Web*. Springer, Oct. 2009. ISBN: 9783642011719.

### **Book Chapters**

- [10] Kosala Y Bandara, Subhasis Thakur, and John G Breslin. “Industry Use Cases on Blockchain Technology Applications in IoT and the Financial Sector”. In: *End-to-End Tracing and Congestion in a Blockchain: A Supply Chain Use Case in Hyperledger Fabric*. IGI Global, May 2021, pp. 68–91. ISBN: 9781799866503. DOI: 10.4018/978-1-7998-6650-3.ch004.
- [11] Subhasis Thakur and John G Breslin. “Wireless Blockchain: Principles, Technologies and Applications”. In: *Decentralized Content Vetting in Social Network with Blockchain*. Wiley, Nov. 2021, pp. 269–296. ISBN: 9781119790808. DOI: 10.1002/9781119790839.ch12.
- [12] Francesco Guerra, Yannis Velegrakis, Jorge Cardoso, and John G Breslin. “The KEYSTONE IC1302 COST Action”. In: *Semantic Keyword-Based Search on Structured Data Sources*. Vol. 10456. LNCS. Springer, Feb. 2018, pp. 187–195. DOI: 10.1007/978-3-319-74497-1\_19.
- [13] Pascal Molli, John G Breslin, and Maria-Esther Vidal. “Challenges for Semantically Driven Collaborative Spaces”. In: *Semantic Web Collaborative Spaces*. Vol. 9507. LNCS. Springer, Apr. 2016, pp. 3–9.
- [14] David N Crowley, Edward Curry, and John G Breslin. “Leveraging Social Media and IoT to Bootstrap Smart Environments”. In: *Big Data and Internet of Things: A Roadmap for Smart Environments*. Springer, Mar. 2014, pp. 379–399.
- [15] Theodore A Vickey and John G Breslin. “Social Networks for Quantified Self”. In: *The Encyclopedia of Social Network Analysis and Mining*. Springer, Oct. 2014, pp. 1901–1904.
- [16] John G Breslin, Alexandre Passant, and Denny Vrandecic. “Social Semantic Web”. In: *The Handbook of Semantic Web Technologies*. Springer, June 2011. Chap. 12, pp. 467–506. ISBN: 9783540929123.
- [17] Alexandre Passant, Sheila Kinsella, Uldis Bojārs, John G Breslin, and Stefan Decker. “Understanding Online Communities by Using Semantic Web Technologies”. In: *The Handbook of Research on Methods and Techniques for Studying Virtual Communities: Paradigms and Phenomena*. IGI Global, Feb. 2011, pp. 429–456. ISBN: 9781609600402.
- [18] Uldis Bojārs, John G Breslin, and Stefan Decker. “Porting Social Media Contributions with SIOC”. In: *Recent Trends and Developments in Social Software*. Springer, Nov. 2010, pp. 116–122. ISBN: 9783642165801.
- [19] Alexandre Passant, Philippe Laublet, John G Breslin, and Stefan Decker. “Enhancing Enterprise 2.0 Ecosystems Using Semantic Web and Linked-Data Technologies: The SemSLATES Approach”. In: *Linking Enterprise Data*. Springer, Oct. 2010, pp. 79–102. ISBN: 9781441976642.
- [20] Hak-Lae Kim, John G Breslin, and Hong-Gee Kim. “Representing and Sharing Tagging Data Using Semantic Web”. In: *The Handbook of Research on Social Interaction Technologies and Collaboration Software: Concepts and Trends*. IGI Global, July 2009. Chap. 46, pp. 519–527. ISBN: 9781605663685.
- [21] Sheila Kinsella, Alexandre Passant, John G Breslin, Stefan Decker, and Ajit Jaokar. “The Future of Social Websites: Sharing Data and Trusted Applications with Semantics”. In: *Advances in Computers*. Vol. 76. Elsevier, June 2009, pp. 121–175.
- [22] John G Breslin. “Social Semantic Information Spaces”. In: *Semantic Digital Libraries*. Springer, Oct. 2008, pp. 55–70. ISBN: 9783540854333.

- [23] Hee-Chul Choi, Sebastian Ryszard Kruk, Sławomir Grzonkowski, Katarzyna Stankiewicz, Brian Davis, and John G Breslin. “Trust Models for Community Aware Identity Management”. In: *Trust Management in Virtual Environment*. Icfai Books, June 2008. Chap. 7, pp. 95–122. ISBN: 8131412541.
- [24] Hak-Lae Kim and John G Breslin. “Towards OpenTagging Platform Using Semantic Web Technologies”. In: *Web 2.0: The Business Model*. Springer, Nov. 2008, pp. 189–200.
- [25] Sheila Kinsella, Andreas Harth, Alexander Trousov, Mikhail Sogrin, John Judge, Conor Hayes, and John G Breslin. “Navigating and Annotating Semantically-Enabled Networks of People and Associated Objects”. In: *Why Context Matters: Applications of Social Network Analysis*. VS Verlag, Sept. 2008, pp. 79–96. ISBN: 9783531163284.
- [26] Ina O’Murchu, John G Breslin, and Stefan Decker. “Online Social and Business Networking Communities”. In: *Viral Marketing: Concepts and Cases*. Icfai Books, June 2007. Chap. 6, pp. 53–80. ISBN: 8131407667.
- [27] Ina O’Murchu, Anna V Zhdanova, and John G Breslin. “Semantic Community Portals”. In: *The Encyclopaedia of Portal Technology and Applications*. IGI Global, Apr. 2007, pp. 875–880.
- [28] Uldis Bojārs, John G Breslin, and Alexandre Passant. “SIOC Browser - Towards a Richer Blog Browsing Experience”. In: *BlogTalks Reloaded: Social Software - Research and Cases*. Vienna, Austria: BoD, Oct. 2006, pp. 141–166. ISBN: 3833496142.

### Journal Papers

- [29] Anupa De Silva, Subhasis Thakur, and John G Breslin. “Card Payment Protocol for Cryptocurrencies with Payment Channel Network”. In: *Distributed Ledger Technologies* (2024). ISSN: 27696480.
- [30] Priyanka Verma, Nitesh Bharot, John G Breslin, Donna O’Shea, Ankit Vidyarthi, and Deepak Gupta. “Zero-Day Guardian: A Dual Model enabled Federated Learning Framework for Handling Zero-day Attacks in 5G Enabled IIoT”. In: *IEEE Transactions on Consumer Electronics* (2024). ISSN: 00983063.
- [31] Priyanka Verma, Nitesh Bharot, John G Breslin, Mukta Sharma, Nisha Chaurasia, and Ankit Vidyarthi. “Uncovering Collateral Damages and Advanced Defense Strategies in Cloud Environments against DDoS Attacks: A Comprehensive Review”. In: *Transactions on Emerging Telecommunications Technologies* (Jan. 2024). ISSN: 21613915. DOI: 10.1002/ett.4934.
- [32] Abdul Wahid, John G Breslin, and Muhammad I Ali. “TCRSCANet: Harnessing Temporal Convolutions and Recurrent Skip Component for Enhanced RUL Estimation in Mechanical Systems”. In: *Human-Centric Intelligent Systems* (2024). ISSN: 26671336.
- [33] Satheesh Abimannan, El-Sayed M El-Alfy, Shahid Hussain, Yue-Shan Chang, Saurabh Shukla, Dhivyadharshini Satheesh, and John G Breslin. “Towards Federated Learning and Multi-Access Edge Computing for Air Quality Monitoring: Literature Review and Assessment”. In: *Sustainability* 15.18 (Sept. 2023). ISSN: 20711050. DOI: 10.3390/su151813951.
- [34] Shahid Hussain, Reyazur Irshad, Fabiano Pallonetto, Qasim Jan, Saurabh Shukla, Subhasis Thakur, John G Breslin, Mousa Mazarband, Yun-Su Kim, Muhammad Ahmad Rathore, and Hesham Elsayed. “Enhancing the Efficiency of Electric Vehicles Charging Stations based on Novel Fuzzy Integer Linear Programming”. In: *IEEE Transactions on Intelligent Transportation Systems* (May 2023). ISSN: 15580016. DOI: 10.1109/TITS.2023.3274608.
- [35] Reyazur R Irshad, Shahid Hussain, Ihtisham Hussain, Ibrar Ahmad, Adil Yousif, Ibrahim M Alwayle, Ahmed A Alattab, Khaled M Alalayah, John G Breslin, Mohammed M Badr, and Joel JPC Rodrigues. “An Intelligent Buffalo-Based Secure Edge-Enabled Computing Platform for Heterogeneous IoT Network in Smart Cities”. In: *IEEE Access* (June 2023). ISSN: 21693536. DOI: 10.1109/ACCESS.2023.3288815.
- [36] Jefkine Kafunah, Muhammad I Ali, and John G Breslin. “Uncertainty-Aware Ensemble Combination Method for Quality Monitoring Fault Diagnosis in Safety-Related Products”. In: *IEEE Transactions on Industrial Informatics* (June 2023). ISSN: 19410050. DOI: 10.1109/TII.2023.3280566.

- [37] Jefkine Kafunah, Priyanka Verma, Muhammad I Ali, and John G Breslin. “Out-of-Distribution Data Generation for Fault Detection and Diagnosis in Industrial Systems”. In: *IEEE Access* (Nov. 2023). ISSN: 21693536. DOI: 10.1109/ACCESS.2023.3337658.
- [38] Muhammad Jaleed Khan, John G Breslin, and Edward Curry. “NeuSyRE: Neuro-Symbolic Visual Understanding and Reasoning Framework Based on Scene Graph Enrichment”. In: *Semantic Web Journal* (Dec. 2023). ISSN: 15700844. DOI: 10.3233/SW-233510.
- [39] Sweta Malik, Subhasis Thakur, Maeve Duffy, and John G Breslin. “Comparative Double Auction Approach for Peer-to-Peer Energy Trading on Multiple Microgrids”. In: *Smart Grids and Sustainable Energy* (Nov. 2023). ISSN: 27318087. DOI: 10.1007/s40866-023-00178-x.
- [40] Saurabh Shukla, Shahid Hussain, Reyazur Rashid Irshad, Ahmed Abdu Alattab, Subhasis Thakur, John G Breslin, M Fadzil Hassan, Satheesh Abimannan, Shahid Husain, and Syed Muslim Jameel. “Network Analysis in a Peer-to-Peer Energy Trading Model using Blockchain and Machine Learning”. In: *Computer Standards and Interfaces* 88 (Oct. 2023). ISSN: 18727018. DOI: 10.1016/j.csi.2023.103799.
- [41] Rory Ward and John G Breslin. “Overcoming Challenges with Automatic Video Colourisation”. In: *Engineers Ireland Journal* (Mar. 2023).
- [42] Muhammad Yahya, Aabid Ali, Qaiser Mehmood, Lan Yang, John G Breslin, and Muhammad I Ali. “A Benchmark Dataset with Knowledge Graph Generation for Industry 4.0 Production Lines”. In: *Semantic Web Journal* (May 2023). ISSN: 15700844. DOI: 10.5281/zenodo.7779522.
- [43] Muhammad Yahya, Baifan Zhou, John G Breslin, Muhammad I Ali, and Evgeny Kharlamov. “Semantic Modeling, Development and Evaluation for the Resistance Spot Welding Industry”. In: *IEEE Access* (Apr. 2023). ISSN: 21693536. DOI: 10.1109/ACCESS.2023.3267000.
- [44] Shahid Hussain, Yun-Su Kim, Subhasis Thakur, and John G Breslin. “Optimization of Waiting Time for Electric Vehicles Using a Fuzzy Inference System”. In: *Transactions on Intelligent Transportation Systems* (Jan. 2022), pp. 1–12. DOI: 10.1109/TITS.2022.3140461.
- [45] Shahid Hussain, Subhasis Thakur, Saurabh Shukla, John G Breslin, Qasim Jan, Faisal Khan, Ibrar Ahmad, Mousa Marzband, and Michael G Madden. “A Heuristic Charging Cost Optimization Algorithm for Residential Charging of Electric Vehicles”. In: *Energies* (Feb. 2022). DOI: 10.3390/en15041304.
- [46] Shahid Hussain, Subhasis Thakur, Saurabh Shukla, John G Breslin, Qasim Jan, Faisal Khan, and Yun-Su Kim. “A Two-Layer Decentralized Charging Approach for Residential Electric Vehicles Based on Fuzzy Data Fusion”. In: *Journal of King Saud University - Computer and Information Sciences* (May 2022). DOI: 10.1016/j.jksuci.2022.04.019.
- [47] Muhammad Jaleed Khan, John G Breslin, and Edward Curry. “Common Sense Knowledge Infusion for Visual Understanding and Reasoning: Approaches, Challenges, and Applications”. In: *Internet Computing* (May 2022), pp. 21–27. DOI: 10.1109/MIC.2022.3176500.
- [48] Abderahman Rejeb, John G Keogh, Wayne Martindale, Damion Dooley, Edward Smart, Steven Simske, Samuel Fosso Wamba, John G Breslin, Kosala Yapa Bandara, Subhasis Thakur, Kelly Liu, Bridgette Crowley, Sowmya Desaraju, Angela Ospina, and Horia Bradau. “Charting Past, Present, and Future Research in the Semantic Web and Interoperability”. In: *Future Internet* (May 2022). DOI: 10.3390/fi14060161.
- [49] Bharath Sudharsan, John G Breslin, Mehreen Tahir, Muhammad I Ali, Omer Rana, Schahram Dustdar, and Rajiv Ranjan. “OTA-TinyML: Over the Air Deployment of TinyML Models and Execution on IoT Devices”. In: *Internet Computing* (June 2022), pp. 69–78. DOI: 10.1109/MIC.2021.3133552.
- [50] Priyanka Verma, John G Breslin, and Donna O’Shea. “FLDID: Federated Learning enabled Deep Intrusion Detection in Smart Manufacturing Industries”. In: *Sensors* (Nov. 2022). DOI: 10.3390/s22228974.
- [51] Abdul Wahid, John G Breslin, and Muhammad I Ali. “Prediction of Machine Failure in Industry 4.0: A Hybrid CNN-LSTM Framework”. In: *Applied Sciences* (Apr. 2022). DOI: 10.3390/app12094221.

- [52] Muhammad I Ali, Pankesh Patel, John G Breslin, Rami Harik, and Amit Sheth. “Cognitive Digital Twins for Smart Manufacturing”. In: *Intelligent Systems* 36.2 (May 2021), pp. 96–100. DOI: 10.1109/MIS.2021.3062437.
- [53] Faris A Almalki, Saeed H Alsamhi, Radhya Sahal, Jahan Hassan, Ammar Hawbani, Navin S Rajput, Abdu Saif, Jeff Morgan, and John G Breslin. “Green IoT for Eco-Friendly and Sustainable Smart Cities: Future Directions and Opportunities”. In: *Mobile Networks and Applications* (Aug. 2021). DOI: 10.1007/s11036-021-01790-w.
- [54] Kosala Y Bandara, Subhasis Thakur, and John G Breslin. “Flocking-Based Decentralised Double Auction for P2P Energy Trading within Neighbourhoods”. In: *International Journal of Electrical Power and Energy Systems* (Feb. 2021). DOI: 10.1016/j.ijepes.2021.106766.
- [55] Jefkine Kafunah, Muhammad I Ali, and John G Breslin. “Handling Imbalanced Datasets for Robust Deep Neural Network-Based Fault Detection in Manufacturing Systems”. In: *Applied Sciences* (Oct. 2021). DOI: 10.3390/app11219783.
- [56] Sweta Malik, Maeve Duffy, Subhasis Thakur, Barry Hayes, and John G Breslin. “A Priority-Based Approach for Peer-to-Peer Energy Trading Using Cooperative Game Theory in Local Energy Community”. In: *International Journal of Electrical Power and Energy Systems* (Dec. 2021). DOI: 10.1016/j.ijepes.2021.107865.
- [57] Jeff Morgan, Mark Halton, Yuansong Qiao, and John G Breslin. “Industry 4.0 Smart Reconfigurable Manufacturing Machines”. In: *Journal of Manufacturing Systems* (Apr. 2021). DOI: 10.1016/j.jmsy.2021.03.001.
- [58] Radhya Sahal, Saeed H Alsamhi, John G Breslin, and Muhammad I Ali. “Industry 4.0 Towards Forestry 4.0: Fire Detection Use Case”. In: *Sensors* (Jan. 2021). DOI: 10.3390/s21030694.
- [59] Radhya Sahal, Saeed H Alsamhi, John G Breslin, Kenneth N Brown, and Muhammad I Ali. “Digital Twins Collaboration for Automatic Erratic Operational Data Detection in Industry 4.0”. In: *Applied Sciences* (Apr. 2021). DOI: 10.3390/app11073186.
- [60] Saurabh Shukla, Subhasis Thakur, Shahid Hussain, John G Breslin, and Syed Muslim Jameel. “Identification and Authentication in Healthcare Internet-of-Things Using Integrated Fog Computing Based Blockchain Model”. In: *Internet of Things* (June 2021). DOI: 10.1016/j.iot.2021.100422.
- [61] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. “ML-MCU: A Framework to Train ML Classifiers on MCU-based IoT Edge Devices”. In: *Internet of Things* (July 2021). DOI: 10.1109/JIOT.2021.3098166.
- [62] Bharath Sudharsan, Pankesh Patel, John G Breslin, Muhammad I Ali, Karan Mitra, Schahram Dustdar, Omer Rana, Prem Prakash Jayaraman, and Rajiv Ranjan. “Toward Distributed, Global, Deep Learning Using IoT Devices”. In: *Internet Computing* (May 2021). DOI: 10.1109/MIC.2021.3053711.
- [63] Muhammad Yahya, John G Breslin, and Muhammad I Ali. “Semantic Web and Knowledge Graphs for Industry 4.0”. In: *Applied Sciences* (May 2021). DOI: 10.3390/app11115110.
- [64] Subhasis Thakur and John G Breslin. “Scalable and Secure Product Serialization for Multi-Party Perishable Good Supply Chains Using Blockchain”. In: *Internet of Things* (June 2020). DOI: 10.1016/j.iot.2020.100253.
- [65] Barry P Hayes, Subhasis Thakur, and John G Breslin. “Co-Simulation of Electricity Distribution Networks and Blockchain Energy Trading Platforms”. In: *International Journal of Electrical Power and Energy Systems* 115 (July 2019). DOI: 10.1016/j.ijepes.2019.105419.
- [66] Hoan Nguyen Mau Quoc, Martin Serrano, Han Mau Nguyen, John G Breslin, and Danh Le Phuoc. “EAGLE—A Scalable Query Processing Engine for Linked Sensor Data”. In: *Sensors* (Oct. 2019). DOI: 10.3390/s19204362.
- [67] Radhya Sahal, John G Breslin, and Muhammad I Ali. “Big Data and Stream Processing Platforms for Industry 4.0: Requirements Mapping for Predictive Maintenance Use Case”. In: *Journal of Manufacturing Systems* (Dec. 2019). DOI: 10.1016/j.jmsy.2019.11.004.

- [68] Guangyuan Piao and John G Breslin. “Inferring User Interests in Microblogging Social Networks: A Survey”. In: *User Modeling and User-Adapted Interaction* 28.3 (Aug. 2018), pp. 277–329. ISSN: 15731391. DOI: 10.1007/s11257-018-9207-8.
- [69] Subhasis Thakur and John G Breslin. “Peer-to-Peer Energy Trade Among Microgrids Using Blockchain-Based Distributed Coalition Formation Method”. In: *Technology and Economics of Smart Grids and Sustainable Energy* (May 2018). DOI: 10.1007/s40866-018-0044-y.
- [70] Piyush Verma, Brian O'Regan, Barry P Hayes, Subhasis Thakur, and John G Breslin. “EnerPort: Irish Blockchain Project for Peer-to-Peer Energy Trading”. In: *Energy Informatics* (Sept. 2018). DOI: 10.1186/s42162-018-0057-8.
- [71] Mohamed Ben Ellefi, Zohra Bellahsene, John G Breslin, Elena Demidova, Stefan Dietze, Julian Szymanski, and Konstantin Todorov. “RDF Dataset Profiling: A Survey of Features, Methods, Vocabularies and Applications”. In: *Semantic Web Journal* (Aug. 2017). ISSN: 15700844.
- [72] Subhasis Thakur and John G Breslin. “A Robust Reputation Management Mechanism in Federated Cloud”. In: *IEEE Transactions on Cloud Computing* (Mar. 2017). ISSN: 21687161. DOI: 10.1109/TCC.2017.2689020.
- [73] Theodore A Vickey and John G Breslin. “Online Influence and Sentiment of Fitness Tweets: Analysis of Two Million Fitness Tweets”. In: *JMIR Public Health Surveillance* (Oct. 2017). ISSN: 15700844.
- [74] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. “An Ontology for Next Generation e-Participation Initiatives”. In: *Government Information Quarterly* (Feb. 2016). ISSN: 0740624X.
- [75] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. “Social Software Infrastructure for e-Participation”. In: *Government Information Quarterly* (Feb. 2016). ISSN: 0740624X.
- [76] Tiago Marino, Maria Luiza Machado de Campos, Marco R S Borges, John G Breslin, and Maciej Dabrowski. “Architecture for Gathering and Integrating Collaborative Information for Decision Support in Emergency Situations”. In: *The International Journal of Information and Communication Technology* (Sept. 2015).
- [77] Theodore A Vickey and John G Breslin. “Do as I Tweet, Not as I Do: Comparing Physical Activity Data Between Fitness Tweets and Healthy People 2020”. In: *The mHealth Journal* (Nov. 2015). ISSN: 23069740.
- [78] Owen Sacco and John G Breslin. “In Users We Trust: Towards Social User Interactions Based Trust Assertions for the Social Semantic Web”. In: *The Journal of Social Network Analysis and Mining* 4.1 (Aug. 2014).
- [79] John G Breslin. “From Arcades to Apps: The History of Computer Games is Repeating Itself / So You Want to Break Into the Games Industry? Here's How?” In: *IEEE Consumer Electronics Magazine* (Jan. 2013), pp. 59–63.
- [80] Theodore A Vickey, Kathleen Martin Ginis, Maciej Dabrowski, and John G Breslin. “Twitter Classification Model: The ABC of Two Million Fitness Tweets”. In: *The Journal of Translational Behavioral Medicine* (May 2013).
- [81] Maged N Kamel Boulos, Bernd Resch, David N Crowley, John G Breslin, Gunho Sohn, Russ Burtner, William A Pike, Eduardo Jeziorski, and Kuo-Yu Slayer Chang. “Crowdsourcing, Citizen Sensing and Sensor Web Technologies for Public and Environmental Health Surveillance and Crisis Management: Trends, OGC Standards and Application Examples”. In: *The International Journal of Health Geographics* 10.67 (Dec. 2011). Ed. by BioMed Central. Most Accessed Article.
- [82] Hak-Lae Kim, John G Breslin, Han-Chieh Chao, and Lei Shu. “Evolution of Social Networks Based on Tagging Practices”. In: *IEEE Transactions on Services Computing* (Nov. 2011).
- [83] Hak-Lae Kim, John G Breslin, Stefan Decker, and Hong-Gee Kim. “Mining and Representing User Interests: The Case of Tagging Practices”. In: *IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans* (July 2011).
- [84] Hak-Lae Kim, Simon Scerri, Alexandre Passant, John G Breslin, Siegfried Handschuh, Stefan Decker, and Hong-Gee Kim. “Integrating Tagging into the Web of Data: Overview and Combination of Existing Tag Ontologies”. In: *The Journal of Internet Technology* 12.4 (July 2011).

- [85] John G Breslin, David O’Sullivan, Alexandre Passant, and Laurentiu Vasiliu. “Semantic Web Computing in Industry”. In: *Computers in Industry* 61.8 (June 2010), pp. 729–741.
- [86] Hak-Lae Kim, John G Breslin, and Jae-Hwa Choi. “Semantic Representation for Copyright Metadata of User-Generated Content in Folksonomies”. In: *Online Information Review* 34.4 (Aug. 2010), pp. 626–641.
- [87] Hak-Lae Kim, John G Breslin, Hong-Gee Kim, and Jae-Hwa Choi. “Social Semantic Cloud of Tags: Semantic Model for Folksonomies”. In: *The Journal of Knowledge Management Research and Practice* 8.3 (Oct. 2010), pp. 193–202.
- [88] Tudor Groza, Siegfried Handschuh, John G Breslin, and Stefan Decker. “An Abstract Framework for Modeling Argumentation in Virtual Communities”. In: *The International Journal of Virtual Communities and Social Networking* 1.3 (July 2009), pp. 37–49.
- [89] Sławomir Grzonkowski, Adam Gzella, Sebastian Ryszard Kruk, John G Breslin, Tomasz Woroniecki, and Jarosław Dobrzanski. “Sharing Information Across Community Portals with FOAFRealm”. In: *The International Journal of Web-Based Communities* 3.5 (May 2009), pp. 351–370.
- [90] Hak-Lae Kim, John G Breslin, Stefan Decker, and Jae-Hwa Choi. “Personal Knowledge Management for Knowledge Workers Using Social Semantic Technologies”. In: *The International Journal of Intelligent Information and Database Systems* 3.1 (Jan. 2009), pp. 28–43.
- [91] Hak-Lae Kim, Stefan Decker, and John G Breslin. “Representing and Sharing Folksonomies with Semantics”. In: *The Journal of Information Science* (Sept. 2009).
- [92] Alexandre Passant, Philippe Laublet, John G Breslin, and Stefan Decker. “A URI is Worth a Thousand Tags: From Tagging to Linked Data with MOAT”. In: *The International Journal on Semantic Web and Information Systems* 5.3 (July 2009). Ed. by Chris Bizer, Tom Heath, and Martin Hepp, pp. 71–94.
- [93] Alexandre Passant, Matthias Samwald, John G Breslin, and Stefan Decker. “Federating Distributed Social Data to Build an Interlinked Online Information Society”. In: *IEEE Intelligent Systems* 24.6 (Nov. 2009), pp. 44–48.
- [94] Uldis Bojārs, John G Breslin, Aidan Finn, and Stefan Decker. “Using the Semantic Web for Linking and Reusing Data Across Web 2.0 Communities”. In: *Special Issue on the Semantic Web and Web 2.0 in the Journal of Web Semantics* 6.1 (Feb. 2008), pp. 21–28.
- [95] Uldis Bojārs, John G Breslin, Vassilios Peristeras, Giovanni Tummarello, and Stefan Decker. “Interlinking the Social Web with Semantics”. In: *IEEE Intelligent Systems* 23.3 (May 2008), pp. 29–40.
- [96] Elizabeth Lawlor, John G Breslin, Laoise Renwick, Sharon Foley, Una Mulkerrin, Anthony Kinsella, Niall Turner, and Eadbhard O’Callaghan. “Mental Health Literacy Among Internet Users”. In: *The Journal on Early Intervention in Psychiatry* 2.4 (Oct. 2008), pp. 247–255.
- [97] John G Breslin and Stefan Decker. “The Future of Social Networks on the Internet: The Need for Semantics”. In: *Internet Computing* 11 (Nov. 2007), pp. 86–90.
- [98] John G Breslin, Stefan Decker, Andreas Harth, and Uldis Bojārs. “SIOC: An Approach to Connect Web-Based Communities”. In: *The International Journal of Web-Based Communities* 2.2 (June 2006), pp. 133–142.
- [99] Uldis Bojārs, John G Breslin, Andreas Harth, and Stefan Decker. “Towards Semantically-Interlinked Online Communities”. In: *The UPGRADE European Journal for the Informatics Professional* 6.6 (Dec. 2005).
- [100] Marco Neumann, Ina O’Murchu, John G Breslin, Stefan Decker, Deirdre Hogan, and Ciaran MacDonall. “Semantic Social Network Portal for Enterprise Online Communities”. In: *The Journal of European Industrial Training (Special Edition)* 29.6 (Aug. 2005), pp. 472–487.
- [101] John G Breslin and W Gerard Hurley. “Critical Choices in a System for Optimised Design of Arbitrary Waveform Transformers”. In: *The Journal of Circuits, Systems and Computers (JCSC)* 13.4 (Aug. 2004), pp. 919–928.

- [102] Sean Coughlan and John G Breslin. “Handheld Solutions for the Retail Sector”. In: *Irish Engineers Journal* 57 (Nov. 2003), pp. 53–54.
- [103] W Gerard Hurley, Eugene Gath, and John G Breslin. “Optimizing the AC Resistance of Multilayer Transformer Windings with Arbitrary Current Waveforms”. In: *IEEE Transactions on Power Electronics* 15.2 (Mar. 2000). Prize Paper Award, pp. 369–376.
- [104] W Gerard Hurley, Werner Wölflé, and John G Breslin. “Optimized Transformer Design: Inclusive of High Frequency Effects”. In: *IEEE Transactions on Power Electronics* 13.4 (July 1998), pp. 651–659.

### **Conference and Workshop Papers**

- [105] Nitesh Bharot and John G Breslin. “Intrusion Watchdog: Enhancing Intrusion Detection System with Machine Learning using 3-way Feature Selection Technique”. In: *The 3rd International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC 2023)*. Varanasi, India, Dec. 2023.
- [106] Nitesh Bharot, John G Breslin, and Mirco Soderi. “A Demo of Microservice for Customized Faulty Product Detection System in Smart Manufacturing”. In: *The 9th IEEE International Conference on Smart Computing (SMARTCOMP 2023)*. Nashville, Tennessee, USA: IEEE, June 2023. DOI: [10.1109/SMARTCOMP58114.2023.00040](https://doi.org/10.1109/SMARTCOMP58114.2023.00040).
- [107] Nitesh Bharot, Mirco Soderi, Priyanka Verma, and John G Breslin. “Improving Product Quality Control in Smart Manufacturing through Transfer Learning-Based Fault Detection”. In: *The 9th IEEE International Conference on Smart Computing (SMARTCOMP 2023)*. Nashville, Tennessee, USA: IEEE, June 2023. DOI: [10.1109/SMARTCOMP58114.2023.00051](https://doi.org/10.1109/SMARTCOMP58114.2023.00051).
- [108] Nitesh Bharot, Priyanka Verma, Mirco Soderi, and John G Breslin. “DQ-DeepLearn: Data Quality Driven Deep Learning Approach for Enhanced Predictive Maintenance in Smart Manufacturing”. In: *The 5th International Conference on Industry 4.0 and Smart Manufacturing (ISM 2023)*. Lisbon, Portugal: IEEE, Nov. 2023.
- [109] Anupa De Silva, Subhasis Thakur, and John G Breslin. “Not So Atomic Payments: A Supply Chain Example”. In: *The 20th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS 2023)*. Toronto, Canada: IEEE, Sept. 2023.
- [110] Muhammad Jaleed Khan, John G Breslin, and Edward Curry. “Towards Fairness in Multimodal Scene Graph Generation: Mitigating Biases in Datasets, Knowledge Sources and Models”. In: *The 2nd International Workshop on Multimodal Human Understanding for the Web and Social Media (MUWS 2023) at the 32nd ACM International Conference on Information and Knowledge Management (CIKM 2023)*. Birmingham, UK, Oct. 2023.
- [111] Mirco Soderi and John G Breslin. “A Service for Resilient Manufacturing”. In: *The 9th IEEE International Conference on Smart Computing (SMARTCOMP 2023)*. Nashville, Tennessee, USA: IEEE, June 2023. DOI: [10.1109/SMARTCOMP58114.2023.00045](https://doi.org/10.1109/SMARTCOMP58114.2023.00045).
- [112] Mirco Soderi and John G Breslin. “Synchronized Sub-Second Arbitrary Changes to Decoupled Components for Ultimate Resilience in Cross-Platform Geo-Distributed Smart Factories”. In: *The 9th IEEE International Conference on Smart Computing (SMARTCOMP 2023)*. Nashville, Tennessee, USA: IEEE, June 2023. DOI: [10.1109/SMARTCOMP58114.2023.00056](https://doi.org/10.1109/SMARTCOMP58114.2023.00056).
- [113] Atiya Usmani, Saeed Hamood Alsamhi, John G Breslin, and Edward Curry. “A Novel Framework for Constructing Multimodal Knowledge Graph from MuSe-CaR Video Reviews”. In: *The 17th IEEE International Conference on Semantic Computing (ICSC 2023)*. Laguna Hills, California, USA, Feb. 2023, pp. 323–328. DOI: [10.1109/ICSC56153.2023.00066](https://doi.org/10.1109/ICSC56153.2023.00066).
- [114] Atiya Usmani, Muhammad Jaleed Khan, John G Breslin, and Edward Curry. “Towards Multimodal Knowledge Graphs for Data Spaces”. In: *The 1st International Workshop on Semantics in Dataspace (SDS 2023) at the 32nd ACM Web Conference 2023 (TheWebConf 2023)*. Austin, Texas, USA, Apr. 2023.

- [115] Priyanka Verma, John G Breslin, Miguel Ponce de Leon, and Donna O’Shea. “FedTIU: Securing Virtualized PLCs Against DDoS Attacks Using a Federated Learning Enabled Threat Intelligence Unit”. In: *The 9th IEEE International Conference on Smart Computing (SMARTCOMP 2023)*. Nashville, Tennessee, USA: IEEE, June 2023. DOI: [10.1109/SWATCOP58114.2023.00058](https://doi.org/10.1109/SWATCOP58114.2023.00058).
- [116] Rory Ward, Muhammad Jaleed Khan, Edward Curry, and John G Breslin. “Knowledge-Guided Colarization: Overview, Prospects and Challenges”. In: *The 17th International Workshop on Neural-Symbolic Learning and Reasoning (NeSy 2023)*. La Certosa di Pontignano, Siena, Italy, July 2023.
- [117] Anupa De Silva, Subhasis Thakur, and John G Breslin. “Profitable Fee Controller for Payment Channel Networks”. In: *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*. L’Aquila, Italy, July 2022. DOI: [10.1007/978-3-031-21229-1\\_9](https://doi.org/10.1007/978-3-031-21229-1_9).
- [118] Muhammad Jaleed Khan, John G Breslin, and Edward Curry. “Expressive Scene Graph Generation Using Commonsense Knowledge Infusion for Visual Understanding and Reasoning”. In: *The 19th Extended Semantic Web Conference (ESWC 2022)*. Hersonissos, Greece, May 2022. DOI: [10.1007/978-3-031-06981-9\\_6](https://doi.org/10.1007/978-3-031-06981-9_6).
- [119] Kavya Kopparapu, Eric Lin, John G Breslin, and Bharath Sudharsan. “TinyFedTL: Federated Transfer Learning on Ubiquitous Tiny IoT Devices”. In: *The 20th International Conference on Pervasive Computing and Communications (PerCom 2022)*. Pisa, Italy, Mar. 2022. DOI: [10.1109/PerComWorkshops53856.2022.9767250](https://doi.org/10.1109/PerComWorkshops53856.2022.9767250).
- [120] Sweta Malik, Subhasis Thakur, John G Breslin, and Maeve Duffy. “Blockchain-Based Decentralized Home Energy Management System Using Double Auction”. In: *The 14th International Conference on Information, Process, and Knowledge Management (eKNOW 2022)*. Porto, Portugal, June 2022.
- [121] Sweta Malik, Subhasis Thakur, Maeve Duffy, and John G Breslin. “Double Auction Mechanisms for Peer-to-Peer Energy Trading: A Comparative Analysis”. In: *The 7th IEEE International Energy Conference (ENERGYCON 2022)*. Riga, Latvia, May 2022. DOI: [10.1109/ENERGYCON53164.2022.9830460](https://doi.org/10.1109/ENERGYCON53164.2022.9830460).
- [122] Dhruv Sheth, Bharath Sudharsan, John G Breslin, and Muhammad I Ali. “Embedded ML Pipeline for Precision Agriculture”. In: *The 21st ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN 2022)*. Milan, Italy: ACM, May 2022. DOI: [10.1109/IPSN54338.2022.00064](https://doi.org/10.1109/IPSN54338.2022.00064).
- [123] Saurabh Shukla, Subhasis Thakur, Shahid Hussain, John G Breslin, and Muslim Jameel Syed. “Identification of False Stealthy Data Injection Attacks in Smart Meters Using Machine Learning and Blockchain”. In: *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*. L’Aquila, Italy, July 2022. DOI: [10.1007/978-3-031-21229-1\\_37](https://doi.org/10.1007/978-3-031-21229-1_37).
- [124] Mirco Soderi and John G Breslin. “Bluetooth Low Energy Peripherals and Edge-to-Cloud Data Assessment as a Service, with Docker, Node-RED, MQTT, Scala, Spark, Kafka, HDFS, and Android SDK: A Demo”. In: *The 30th Irish Conference on Artificial Intelligence and Cognitive Science (AICS 2022)*. Cork, Ireland, Dec. 2022.
- [125] Mirco Soderi and John G Breslin. “Crazy Nodes: Towards Ultimate Flexibility in Ubiquitous Big Data Stream Engineering, Visualisation, and Analytics, in Smart Factories”. In: *The 11th International Symposium on Leveraging Applications of Formal Methods (ISOLA 2022)*. Rhodes, Greece: Springer, Oct. 2022. DOI: [10.1007/978-3-031-19762-8\\_18](https://doi.org/10.1007/978-3-031-19762-8_18).
- [126] Mirco Soderi, Vignesh Kamath, and John G Breslin. “A Demo of a Software Platform for Ubiquitous Big Data Engineering, Visualization, and Analytics, via Reconfigurable Micro-Services, in Smart Factories”. In: *The 8th IEEE International Conference on Smart Computing (SMARTCOMP 2022)*. Helsinki, Finland, June 2022. DOI: [10.1109/SWATCOP55677.2022.00041](https://doi.org/10.1109/SWATCOP55677.2022.00041).
- [127] Mirco Soderi, Vignesh Kamath, and John G Breslin. “Toward an API-Driven Infinite Cyber-Screen for Custom Real-Time Display of Big Data Streams”. In: *The 8th IEEE International Conference on Smart Computing (SMARTCOMP 2022)*. Helsinki, Finland, June 2022. DOI: [10.1109/SWATCOP55677.2022.00036](https://doi.org/10.1109/SWATCOP55677.2022.00036).

- [128] Mirco Soderi, Vignesh Kamath, Jeff Morgan, and John G Breslin. “Advanced Analytics as a Service in Smart Factories”. In: *The 20th IEEE Jubilee World Symposium on Applied Machine Intelligence and Informatics (SAMI 2022)*. Online: IEEE, Mar. 2022. DOI: 10.1109/SAMI54271.2022.9780768.
- [129] Bharath Sudharsan, John G Breslin, Muhammad I Ali, Peter Corcoran, and Rajiv Ranjan. “ElastiQuant: Elastic Quantization Strategy for Communication Efficient Distributed Machine Learning in IoT”. In: *The 37th ACM/SIGAPP Symposium on Applied Computing (SAC 2022)*. Online, Apr. 2022. DOI: 10.1145/3477314.3507135.
- [130] Bharath Sudharsan, Sonu Prasad, Dan Jose, and John G Breslin. “TMM-TinyML: Tensor Memory Mapping (TMM) Method for Tiny Machine Learning (TinyML)”. In: *The 28th Annual International Conference On Mobile Computing And Networking (MobiCom 2022)*. Sydney, Australia: ACM, Oct. 2022. DOI: 10.1145/3495243.3558265.
- [131] Bharath Sudharsan, Simone Salerno, Piyush Yadav, and John G Breslin. “Approach for Remote, On-Demand Loading and Execution of TensorFlow Lite ML Models on Arduino IoT Boards”. In: *The 21st ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN 2022)*. Milan, Italy: ACM, May 2022. DOI: 10.1109/IPSN54338.2022.00061.
- [132] Subhasis Thakur and John G Breslin. “A Decentralised Reputation Management System for Internet of Things Data Marketplace”. In: *The 14th International Conference on Information, Process, and Knowledge Management (eKNOW 2022)*. Best Paper Award. Porto, Portugal, June 2022.
- [133] Subhasis Thakur and John G Breslin. “A Model of Decentralised Distribution Line Using Layer 2 Blockchains”. In: *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*. L’Aquila, Italy, July 2022. DOI: 10.1007/978-3-031-21229-1\_3.
- [134] Subhasis Thakur and John G Breslin. “Decentralised Argumentation for Data Vetting in Blockchains”. In: *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*. L’Aquila, Italy, July 2022. DOI: 10.1007/978-3-031-21229-1\_20.
- [135] Subhasis Thakur, John G Breslin, and Sweta Malik. “Privacy-Preserving Energy Trade Using Double Auction in Blockchain Offline Channels”. In: *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*. L’Aquila, Italy, July 2022. DOI: 10.1007/978-3-031-21229-1\_27.
- [136] Priyanka Verma, John G Breslin, Donna O’Shea, and R K Pateriya. “A Stacked Ensemble Method with Adaptive Attribute Selection to Detect DDoS Attack in Cloud-Assisted WBAN”. In: *The 4th International Conference on International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND 2022)*. Online, Dec. 2022. DOI: 10.1007/978-3-031-24367-7\_32.
- [137] Abdul Wahid, Muhammad Yahya, John G Breslin, and Muhammad I Ali. “Self-Attention Transformer-Based Architecture for Remaining Useful Life Estimation of Complex Machines”. In: *The 4th International Conference on Industry 4.0 and Smart Manufacturing (ISM 2022)*. Linz, Austria, Nov. 2022. DOI: 10.1016/j.procs.2022.12.241.
- [138] Rory Ward and John G Breslin. “Towards Temporal Stability in Automatic Video Colourisation”. In: *The 24th Irish Machine Vision and Image Processing Conference (IMVIP 2022)*. Best Oral Presentation Award. Belfast, Northern Ireland, Aug. 2022.
- [139] Muhammad Yahya, Baifan Zhou, Zhuoxun Zheng, Dongzhuoran Zhou, John G Breslin, Muhammad I Ali, and Evgeny Kharlamov. “Towards Generalized Welding Ontology In Line with ISO and Knowledge Graph Construction”. In: *The 19th Extended Semantic Web Conference (ESWC 2022)*. Hersonissos, Greece, May 2022. DOI: 10.1007/978-3-031-11609-4\_16.
- [140] Kosala Y Bandara and John G Breslin. “BaaS Architecture for DApps and Application for Veterinary Medicine Case Study in Ireland”. In: *The 2021 International Symposium on Networks, Computers and Communications (ISNCC 2021)*. Dubai, United Arab Emirates, Nov. 2021. DOI: 10.1109/ISNCC52172.2021.9615670.
- [141] Anupa De Silva, Subhasis Thakur, and John G Breslin. “Towards Micropayment for Intermediary Based Trading”. In: *The 3rd International Congress on Blockchain and Applications (BLOCKCHAIN 2021)*. Salamanca, Spain, Oct. 2021. DOI: 10.1007/978-3-030-86162-9\_22.

- [142] Sweta Malik, Maeve Duffy, Subhasis Thakur, and John G Breslin. “Fractional Hedonic Coalition Formation Game for Peer to Peer Energy Trading in a Microgrid”. In: *The 7th IEEE International Energy Conference (ENERGYCON 2022)*. Madrid, Spain, June 2021. doi: 10.1109/PowerTech46648.2021.9494877.
- [143] Parit Mehta, Rudresh Dwivedi, Ciaran Feeney, Pankesh Patel, Muhammad I Ali, and John G Breslin. “Towards Designing an Explainable-AI based Solution for Livestock Mart Industry”. In: *The ACM India Joint International Conference on Data Science and Management of Data (CODS-COMAD 2021)*. Young Researchers’ Symposium Track. Bangalore, India, Jan. 2021. doi: 10.1145/3430984.3431071.
- [144] Vatsal Patel, Sarth Kanani, Tapan Pathak, Pankesh Patel, Muhammad I Ali, and John G Breslin. “An Intelligent Doorbell Design Using Federated Deep Learning”. In: *The ACM India Joint International Conference on Data Science and Management of Data (CODS-COMAD 2021)*. Bangalore, India, Jan. 2021. doi: 10.1145/3430984.3430988.
- [145] Federica Rollo, Bharath Sudharsan, Laura Po, and John G Breslin. “Air Quality Sensor Network Data Acquisition, Cleaning, Visualization, and Analytics: A Real-World IoT Use Case”. In: *The ACM International Joint Conference on Pervasive and Ubiquitous Computing and the 25th Annual International Symposium on Wearable Computers (UbiComp / ISWC 2021)*. Online, Sept. 2021.
- [146] Saurabh Shukla, Subhasis Thakur, and John G Breslin. “Anomaly Detection in Smart Grid Network Using FC-Based Blockchain Model and Linear SVM”. In: *The 7th International Conference on Machine Learning, Optimization and Data Science (LOD 2021)*. Grasmere, United Kingdom, Sept. 2021. doi: 10.1007/978-3-030-95467-3\_13.
- [147] Saurabh Shukla, Subhasis Thakur, and John G Breslin. “Secure Communication in Smart Meters Using Elliptic Curve Cryptography and Digital Signature Algorithm”. In: *The 2021 IEEE International Conference on Cyber Security and Resilience (CSR 2021)*. Rhodes, Greece, July 2021. doi: 10.1109/CSR51186.2021.9527947.
- [148] Saurabh Shukla, Subhasis Thakur, and John G Breslin. “Secure Data Transmission in Smart Meters Using Q-Learning in Fog Computing Environment”. In: *The 6th International Congress on Information and Communication Technology (ICICT 2021)*. London, UK, Feb. 2021. doi: 10.1007/978-981-16-1781-2\_58.
- [149] Saurabh Shukla, Subhasis Thakur, Shahid Hussain, and John G Breslin. “A Blockchain-Enabled Fog Computing Model for Peer-to-Peer Energy Trading in Smart Grid”. In: *The 3rd International Congress on Blockchain and Applications (BLOCKCHAIN 2021)*. Salamanca, Spain, Oct. 2021. doi: 10.1007/978-3-030-86162-9\_2.
- [150] Mirco Soderi, Vignesh Kamath, Jeff Morgan, and John G Breslin. “Ubiquitous System Integration as a Service in Smart Factories”. In: *The 2021 IEEE International Conference on Internet of Things and Intelligence Systems (IoTaIS 2021)*. Online: IEEE, Nov. 2021. doi: 10.1109/IoTaIS53735.2021.9628434.
- [151] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. “Globe2Train: A Framework for Distributed ML Model Training Using IoT Devices Across the Globe”. In: *The 18th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2021)*. Atlanta, Georgia, USA, Oct. 2021.
- [152] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. “Imbal-OL: Online Machine Learning from Imbalanced Data Streams in Real-world IoT”. In: *The 2021 IEEE International Conference on Big Data (BigData 2021)*. Online: IEEE, Dec. 2021, pp. 4974–4978. doi: 10.1109/BigData52589.2021.9671765.
- [153] Bharath Sudharsan, Sweta Malik, Peter Corcoran, Pankesh Patel, John G Breslin, and Muhammad I Ali. “OWSNet: Towards Real-time Offensive Words Spotting Network for Consumer IoT Devices”. In: *The 7th IEEE World Forum on Internet of Things (WF-IoT 2021)*. New Orleans, Louisiana, USA, June 2021.

- [154] Bharath Sudharsan, Pankesh Patel, John G Breslin, and Muhammad I Ali. “Enabling Machine Learning on the Edge Using SRAM Conserving Efficient Neural Networks Execution Approach”. In: *The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD 2021)*. Online, Sept. 2021.
- [155] Bharath Sudharsan, Pankesh Patel, John G Breslin, and Muhammad I Ali. “SRAM Optimized Porting and Execution of Machine Learning Classifiers on MCU-Based IoT Devices”. In: *The 12th ACM/IEEE International Conference on Cyber-Physical Systems (ICCPs 2021)*. Nashville, Tennessee, USA, May 2021. DOI: 10.1145/3450267.3451999.
- [156] Bharath Sudharsan, Pankesh Patel, John G Breslin, and Muhammad I Ali. “Ultra-Fast Machine Learning Classifier Execution on IoT Devices Without SRAM Consumption”. In: *The 19th IEEE International Conference on Pervasive Computing and Communications (PerCom 2021)*. Atlanta, Georgia, USA, Mar. 2021. DOI: 10.1109/PerComWorkshops51409.2021.9431061.
- [157] Bharath Sudharsan, Pankesh Patel, Abdul Wahid, Muhammad Yahya, John G Breslin, and Muhammad I Ali. “Porting and Execution of Anomalies Detection Models on Embedded Systems in IoT”. In: *The 6th ACM/IEEE International Conference on Internet of Things Design and Implementation (IOTDI 2021)*. Nashville, Tennessee, USA, May 2021. DOI: 10.1145/3450268.3453513.
- [158] Bharath Sudharsan, Simone Salerno, Duc-Duy Nguyen, Muhammad Yahya, Abdul Wahid, Piyush Yadav, John G Breslin, and Muhammad I Ali. “TinyML Benchmark: Executing Fully Connected Neural Networks on Commodity Microcontrollers”. In: *The 7th IEEE World Forum on Internet of Things (WF-IoT 2021)*. New Orleans, Louisiana, USA, June 2021.
- [159] Bharath Sudharsan, Dhruv Sheth, Shailesh Arya, Federica Rollo, Piyush Yadav, Pankesh Patel, John G Breslin, and Muhammad I Ali. “ElastiCL: Elastic Quantization for Communication Efficient Collaborative Learning in IoT”. In: *The 19th ACM Conference on Embedded Networked Sensor Systems (SenSys ’21)*. Coimbra, Portugal: ACM, Nov. 2021. DOI: 10.1145/3485730.3492885.
- [160] Bharath Sudharsan, Dineshkumar Sundaram, Pankesh Patel, John G Breslin, and Muhammad I Ali. “Botnet Attacks Detecting Offline Models for Resource-Constrained IoT Devices: Edge2Guard”. In: *The 5th Workshop on Security, Privacy, and Trust in the Internet of Things (SPT-IoT 2021) at the 19th IEEE International Conference on Pervasive Computing and Communications (PerCom 2021)*. New Orleans, Louisiana, USA, Mar. 2021.
- [161] Bharath Sudharsan, Piyush Yadav, John G Breslin, and Muhammad I Ali. “An SRAM Optimized Approach for Constant Memory Consumption and Ultra-fast Execution of ML Classifiers on TinyML Hardware”. In: *The 2021 IEEE International Conference on Services Computing (SCC 2021)*. Online, Sept. 2021.
- [162] Bharath Sudharsan, Piyush Yadav, John G Breslin, and Muhammad I Ali. “Train++: An Incremental ML Model Training Algorithm to Create Self-Learning IoT Devices”. In: *The 18th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2021)*. Atlanta, Georgia, USA, Oct. 2021.
- [163] Bharath Sudharsan, Piyush Yadav, Duc-Duy Nguyen, Jefkine Kafunah, and John G Breslin. “Ensemble Methods for Collective Intelligence: Combining Ubiquitous ML Models in IoT”. In: *The 2021 IEEE International Conference on Big Data (BigData 2021)*. Online: IEEE, Dec. 2021, pp. 1960–1963. DOI: 10.1109/BigData52589.2021.9671901.
- [164] Kosala Y Bandara, Subhasis Thakur, and John G Breslin. “Enrichment of Blockchain Transaction Management with Semantic Triples”. In: *The 3rd IEEE International Conference on Blockchain (Blockchain 2020)*. Rhodes, Greece, Nov. 2020. DOI: 10.1109/Blockchain50366.2020.00030.
- [165] Kosala Y Bandara, Subhasis Thakur, and John G Breslin. “Renewable Energy Integration Through Coalition Formation for P2P Energy Trading”. In: *The 3rd IEEE International Conference on Renewable Energy and Power Engineering (REPE 2020)*. Best Presentation Award. Rhodes, Greece, Oct. 2020. DOI: 10.1109/REPE50851.2020.9253870.
- [166] Sweta Malik, Maeve Duffy, Subhasis Thakur, Barry Hayes, and John G Breslin. “Cooperative Game Theory-Based Peer-to-Peer Energy Trading Algorithm”. In: *The 12th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MEDPOWER 2020)*. Paphos, Cyprus, Nov. 2020.

- [167] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. “Adaptive Strategy to Improve the Quality of Communication for IoT Edge Devices”. In: *The 6th IEEE World Forum on Internet of Things (WF-IoT 2020)*. New Orleans, Louisiana, USA, Apr. 2020. DOI: 10.1109/WF-IoT48130.2020.9221276.
- [168] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. “Edge2Train: A Framework to Train Machine Learning Models (SVMs) on Resource-Constrained IoT Edge Devices”. In: *The 10th International Conference on the Internet of Things (ICIOT 2020)*. Malmö, Sweden, Oct. 2020. DOI: 10.1145/3410992.3411014.
- [169] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. “RCE-NN: A Five-Stage Pipeline to Execute Neural Networks (CNNs) on Resource-Constrained IoT Edge Devices”. In: *The 10th International Conference on the Internet of Things (ICIOT 2020)*. Malmö, Sweden, Oct. 2020. DOI: 10.1145/3410992.3411005.
- [170] Bharath Sudharsan, Dineshkumar Sundaram, John G Breslin, and Muhammad I Ali. “Avoid Touching Your Face: A Hand-to-Face 3D Motion Dataset (COVID-Away) and Trained Models for Smartwatches”. In: *The 1st Workshop on Internet of Things-Based Health Services and Applications (IOT-HSA 2020) at the 10th International Conference on the Internet of Things (IOT 2020)*. Malmö, Sweden, Oct. 2020. DOI: 10.1145/3423423.3423433.
- [171] Subhasis Thakur and John G Breslin. “A Model of Decentralized Social Internet of Things Using Blockchain Offline Channels”. In: *The 2nd International Conference on Blockchain Computing and Applications (IEEE BCCA 2020)*. Antalya, Turkey, Nov. 2020. DOI: 10.1109/BCCA50787.2020.9274459.
- [172] Subhasis Thakur and John G Breslin. “An Edge Colouring-Based Collaborative Routing Protocol for Blockchain Offline Channels”. In: *The 3rd IEEE International Conference on Blockchain (Blockchain 2020)*. Rhodes, Greece, Nov. 2020. DOI: 10.1109/Blockchain50366.2020.00050.
- [173] Subhasis Thakur and John G Breslin. “Coordinated Landmark-Based Routing for Blockchain Offline Channels”. In: *The 2nd International Conference on Blockchain Computing and Applications (IEEE BCCA 2020)*. Antalya, Turkey, Nov. 2020. DOI: 10.1109/BCCA50787.2020.9274462.
- [174] Subhasis Thakur and John G Breslin. “Cost Analysis of Blockchains-based Peer to Peer Energy Trade”. In: *The 20th International Conference on Environmental and Electrical Engineering (EEEIC 2020)*. Madrid, Spain, June 2020. DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160550.
- [175] Subhasis Thakur and John G Breslin. “Real-Time Peer-to-Peer Energy Trade with Blockchain Offline Channels”. In: *The 2020 IEEE International Conference on Power System Technology (IEEE POWERCON 2020)*. Bangalore, India, Sept. 2020. DOI: 10.1109/POWERCON48463.2020.9230545.
- [176] Muhammad I Ali, Pankesh Patel, and John G Breslin. “Middleware for Real-Time Event Detection and Predictive Analytics in Smart Manufacturing”. In: *The International Workshop on IoT Applications and Industry 4.0 (IoTI4 2019) at the 15th International Conference on Distributed Computing in Sensor Systems (DCOSS 2019)*. Santorini, Greece, May 2019. DOI: 10.1109/DCOSS.2019.00079.
- [177] Safina Showkat Ara, Subhasis Thakur, and John G Breslin. “Distributed ACO Based Reputation Management in Crowdsourcing”. In: *The 12th International Conference on Internet and Distributed Computing Systems (IDCS 2019)*. Naples, Italy, Oct. 2019.
- [178] Safina Showkat Ara, Subhasis Thakur, and John G Breslin. “Secure and Distributed Crowd-Sourcing Task Coordination Using the Blockchain Mechanism”. In: *The 12th International Conference on Internet and Distributed Computing Systems (IDCS 2019)*. Best Student Paper Award. Naples, Italy, Oct. 2019.
- [179] Radhya Sahal, John G Breslin, and Muhammad I Ali. “On Evaluating the Impact of Changes in IoT Data Streams Rate over Query Window Configurations”. In: *The 13th ACM International Conference on Distributed and Event-Based Systems (DEBS 2019)*. Darmstadt, Germany: ACM, June 2019. DOI: 10.1145/3328905.3332509.
- [180] Subhasis Thakur and John G Breslin. “A Balanced Routing Algorithm for Blockchain Offline Channels Using Flocking”. In: *The 1st International Congress on Blockchain and Applications (BLOCKCHAIN ’19)*. Vol. 1010. AISC. Ávila, Spain: Springer, June 2019, pp. 79–86. DOI: 10.1007/978-3-030-23813-1\_10.

- [181] Subhasis Thakur and John G Breslin. “Collusion Attack from Hubs in the Blockchain Offline Channel Network”. In: *The 1st International Conference on Mathematical Research for Blockchain Economy (MARBLE 2019)*. Santorini, Greece: Springer Nature, May 2019, pp. 31–44. doi: [10.1007/978-3-030-37110-4\\_3](https://doi.org/10.1007/978-3-030-37110-4_3).
- [182] Alessia Antelmi, John G Breslin, and Karen Young. “Understanding User Engagement with Entertainment Media: A Case Study of the Twitter Behaviour of Game of Thrones (GoT) Fans”. In: *The 2018 IEEE Games, Entertainment and Media Conference (GEM 2018)*. Aug. 2018. doi: [10.1109/GEM.2018.8516505](https://doi.org/10.1109/GEM.2018.8516505).
- [183] Guangyuan Piao and John G Breslin. “A Study of the Similarities of Entity Embeddings Learned from Different Aspects of a Knowledge Base for Item Recommendations”. In: *The 1st Workshop on Deep Learning for Knowledge Graphs and Semantic Technologies (DL4KGS 2018) at the 15th Extended Semantic Web Conference (ESWC 2018)*. Best Paper Award. Heraklion, Greece, June 2018.
- [184] Guangyuan Piao and John G Breslin. “Domain-Aware Sentiment Classification with GRUs and CNNs”. In: *Semantic Web Challenges: Revised Selected Papers from the 5th Semantic Web Evaluation Challenge (SemWebEval 2018) at the 15th Extended Semantic Web Conference (ESWC 2018)*. Vol. 927. CCIS. 1st Place out of 10 Teams in the 5th Semantic Sentiment Analysis Challenge. Springer, Oct. 2018, pp. 129–139. doi: [10.1007/978-3-030-00072-1\\_11](https://doi.org/10.1007/978-3-030-00072-1_11).
- [185] Guangyuan Piao and John G Breslin. “Financial Aspect and Sentiment Predictions with Deep Neural Networks: An Ensemble Approach”. In: *Challenge on Financial Opinion Mining and Question Answering at the 27th Web Conference 2018 (TheWebConf 2018)*. Lyon, France, Apr. 2018. doi: [10.1145/3184558.3191829](https://doi.org/10.1145/3184558.3191829).
- [186] Guangyuan Piao and John G Breslin. “Learning to Rank Tweets with Author-Based Long Short-Term Memory Networks”. In: *The 18th International Conference on Web Engineering (ICWE 2018)*. June 2018. doi: [10.1007/978-3-319-91662-0\\_22](https://doi.org/10.1007/978-3-319-91662-0_22).
- [187] Guangyuan Piao and John G Breslin. “Transfer Learning for Item Recommendations and Knowledge Graph Completion in Item Related Domains via A Co-Factorization Model”. In: *The 15th Extended Semantic Web Conference (ESWC 2018)*. Heraklion, Greece, June 2018. doi: [10.1007/978-3-319-93417-4\\_32](https://doi.org/10.1007/978-3-319-93417-4_32).
- [188] Hoan Nguyen Mau Quoc, Martin Serrano, John G Breslin, and Danh Le Phuoc. “A Learning Approach for Query Planning on Spatio-Temporal IoT Data”. In: *The 8th International Conference on the Internet of Things (IoT 2018)*. Best Paper Award. Oct. 2018. doi: [10.1145/3277593.3277598](https://doi.org/10.1145/3277593.3277598).
- [189] Subhasis Thakur and John G Breslin. “Electric Vehicle Charging Queue Management with Blockchain”. In: *The 5th International Conference on Internet of Vehicles (IOV 2018)*. Nov. 2018, pp. 249–264. doi: [10.1007/978-3-030-05081-8\\_18](https://doi.org/10.1007/978-3-030-05081-8_18).
- [190] Subhasis Thakur, Barry P Hayes, and John G Breslin. “A Unified Model of Peer-to-Peer Energy Trade and Electric Vehicle Charging Using Blockchains”. In: *The 11th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MEDPOWER 2018)*. Nov. 2018.
- [191] Subhasis Thakur, Barry P Hayes, and John G Breslin. “Distributed Double Auction for Peer-to-Peer Energy Trade Using Blockchains”. In: *The 5th International Symposium on Environment Friendly Energies and Applications (EFEA 2018)*. Sept. 2018.
- [192] Safina Showkat Ara, Subhasis Thakur, and John G Breslin. “Expertise Discovery in Decentralised Online Social Networks”. In: *The 2017 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2017)*. July 2017.
- [193] Guangyuan Piao and John G Breslin. “Factorization Machines Leveraging Lightweight Linked Open Data-enabled Features for Top-N Recommendations”. In: *The 18th International Conference on Web Information Systems Engineering (WISE 2017)*. Oct. 2017.
- [194] Guangyuan Piao and John G Breslin. “Inferring User Interests for Passive Users on Twitter by Leveraging Followee Biographies”. In: *The 39th European Conference on Information Retrieval (ECIR 2017)*. Apr. 2017.

- [195] Guangyuan Piao and John G Breslin. “Leveraging Followee List Memberships for Inferring User Interests for Passive Users on Twitter”. In: *The 28th ACM Conference on Hypertext and Social Media (Hypertext 2017)*. July 2017.
- [196] Peiman Barnaghi, Parsa Ghaffari, and John G Breslin. “Opinion Mining and Sentiment Polarity on Twitter and Correlation Between Events”. In: *The 2nd IEEE International Conference on Big Data Computing Service and Applications (BigDataService 2016)*. Mar. 2016.
- [197] Guangyuan Piao and John G Breslin. “Analyzing Aggregated Semantics-Enabled User Modeling on Twitter and Google+ for Personalized Link Recommendations”. In: *The 24th Conference on User Modelling, Adaptation and Personalization (UMAP 2016)*. Halifax, Canada, July 2016.
- [198] Guangyuan Piao and John G Breslin. “Analyzing MOOC Entries of Professionals in LinkedIn for User Modeling and Personalized MOOC Recommendations”. In: *The 24th Conference on User Modelling, Adaptation and Personalization (UMAP 2016)*. Halifax, Canada, July 2016.
- [199] Guangyuan Piao and John G Breslin. “Exploring Dynamics and Semantics of User Interests for User Modeling on Twitter for Link Recommendations”. In: *The 12th International Conference on Semantic Systems (SEMANtICS 2016)*. Best Research and Innovation Paper Award. Leipzig, Germany, Sept. 2016.
- [200] Guangyuan Piao and John G Breslin. “Interest Representation, Enrichment, Dynamics, and Propagation: A Study of the Synergetic Effect of Different User Modeling Dimensions for Personalized Recommendations on Twitter”. In: *The 20th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2016)*. Nov. 2016.
- [201] Guangyuan Piao and John G Breslin. “Measuring Semantic Distance for Linked Open Data-Enabled Recommender Systems”. In: *The 31st ACM/SIGAPP Symposium on Applied Computing (SAC 2016)*. Apr. 2016.
- [202] Guangyuan Piao and John G Breslin. “User Modeling on Twitter with WordNet Synsets and DBpedia Concepts for Personalized Recommendations”. In: *The 25th ACM International Conference on Information and Knowledge Management (CIKM 2016)*. Indianapolis, Indiana, USA, Oct. 2016.
- [203] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. “A Hierarchical Model of Reviews for Aspect-Based Sentiment Analysis”. In: *The 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP 2016)*. Nov. 2016.
- [204] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. “Convolutional Neural Networks for Sentiment Classification and Quantification”. In: *The International Workshop on Semantic Evaluation (SemEval 2016) at the 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2016)*. San Diego, California, USA, June 2016, pp. 178–182.
- [205] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. “Deep Learning for Multilingual Aspect-Based Sentiment Analysis”. In: *The International Workshop on Semantic Evaluation (SemEval 2016) at the 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2016)*. San Diego, California, USA, June 2016, pp. 330–336.
- [206] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. “Towards a Continuous Modeling of Natural Language Domains”. In: *The Workshop on Uphill Battles in Language Processing (UBLP 2016) at the 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP 2016)*. Austin, Texas, USA, Nov. 2016.
- [207] Peiman Barnaghi, Parsa Ghaffari, and John G Breslin. “Text Analysis and Sentiment Polarity on FIFA World Cup 2014 Tweets”. In: *The Workshop on Large-Scale Sports Analytics (LSSA 2015) at the 21st ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2015)*. Sydney, Australia, Aug. 2015.
- [208] David N Crowley, John G Breslin, and Edward Curry. “Towards a Citizen Actuation Framework for Smart Environments”. In: *The 21st IEEE International Symposium on Technology and Society (ISTAS 2015)*. Dublin, Ireland, Nov. 2015, pp. 1–5.
- [209] Georgia M Kapitsaki and John G Breslin. “Searching Over Mobile User Activity”. In: *The 1st KEYSTONE Open Conference*. Coimbra, Portugal, Sept. 2015.

- [210] Myriam Leggieri, Brian Davis, and John G Breslin. “Distributional Semantics and Unsupervised Clustering for Sensor Relevancy Prediction”. In: *The 11th IEEE International Wireless Communications and Mobile Computing Conference (IWCMC 2015)*. Dubrovnik, Croatia, Aug. 2015, pp. 210–215.
- [211] Myriam Leggieri, Christian von der Weth, and John G Breslin. “Using Sensors to Bridge the Gap Between Real Places and Their Web-Based Representations”. In: *The 10th IEEE International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP 2015)*. Singapore, Apr. 2015.
- [212] Guangyuan Piao, Safina Showkat Ara, and John G Breslin. “Computing the Semantic Similarity of Resources in DBpedia for Recommendation Purposes”. In: *The 5th Joint International Semantic Technology Conference (JIST 2015)*. Best Paper Candidate. Yichang, China, Nov. 2015.
- [213] Guangyuan Piao and John G Breslin. “An Ensemble Approach for Entity Type Prediction over Linked Data”. In: *Challenge on Entity Type Prediction over Linked Data at the 5th Joint International Semantic Technology Conference (JIST 2015)*. 4th Place out of 13 Teams. Yichang, China, Nov. 2015.
- [214] Guangyuan Piao and John G Breslin. “DBQuote: A Social Web-Based System for Collecting and Sharing Wisdom Quotes”. In: *The 5th Joint International Semantic Technology Conference (JIST 2015)*. Yichang, China, Nov. 2015.
- [215] Lukasz Porwol, Islam Hassan, Adegboyega Ojo, and John G Breslin. “A Knowledge Extraction and Management Component to Support Spontaneous Participation”. In: *The 7th IFIP International Conference on eParticipation (ePart 2015)*. Vol. 9249. LNCS. Thessaloniki, Greece: Springer, Aug. 2015, pp. 68–80.
- [216] Lukasz Porwol, Islam Hassan, Adegboyega Ojo, and John G Breslin. “Harnessing Spontaneous Participation on Social Media: Implementing the Knowledge Extraction Component”. In: *The 16th International Conference on Digital Government Research (dg.o 2015)*. Phoenix, Arizona, USA, May 2015, pp. 333–334.
- [217] Owen Sacco and John G Breslin. “An Authorisation and Access Control Framework for Information Sharing on the Semantic Web”. In: *The 10th International Multi-Conference on Computing in the Global Information Technology (ICCGI 2015)*. Oct. 2015.
- [218] Owen Sacco and John G Breslin. “Towards Privacy Aware Social Semantic Digital Libraries”. In: *The 19th International Conference on Electronic Publishing (ELPUB 2015)*. Malta, Sept. 2015.
- [219] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. “A Semantic Deliberation Model for e-Participation”. In: *The 6th IFIP International Conference on eParticipation (ePart 2014)*. Dublin, Ireland, Sept. 2014.
- [220] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. “A Semantic Model for e-Participation - Detailed Conceptualization and Ontology”. In: *The 15th International Conference on Digital Government Research (dg.o 2014)*. Aguascalientes, Mexico, June 2014.
- [221] Roberto Covello, Giancarlo Fortino, Raffaele Gravina, Antonio Aguilar, and John G Breslin. “Novel Method and Real-Time System for Detecting the Cardiac Defense Response Based on the ECG”. In: *The 8th International Symposium on Medical Measurements and Applications (MEMEA 2013)*. Quebec, Canada, May 2013.
- [222] David N Crowley, Edward Curry, and John G Breslin. “Closing the Loop - From Citizen Sensing to Citizen Actuation”. In: *The 7th IEEE International Conference on Digital Ecosystems and Technologies (DEST 2013)*. July 2013.
- [223] David N Crowley, Maciej Dabrowski, and John G Breslin. “Decision Support Using Linked, Social, and Sensor Data”. In: *The 19th Americas Conference on Information Systems (AMCIS 2013)*. Chicago, Illinois, USA, Aug. 2013.
- [224] Maciej Dabrowski, Keith Griffin, and John G Breslin. “Real-Time Data Aggregation in Distributed Enterprise Social Platforms”. In: *The 14th IFIP Working Conference on Virtual Enterprises (PRO-VE 2013)*. Dresden, Germany, Oct. 2013.

- [225] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. "A Semantic Model for E-Participation". In: *The 5th IFIP International Conference on eParticipation (ePart 2013)*. Koblenz, Germany, Sept. 2013.
- [226] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. "Harnessing the Duality of e-Participation - Social Software Infrastructure Design". In: *The 7th International Conference on Theory and Practice of Electronic Governance (ICEGOV 2013)*. Best Paper Award for Completed Research. Seoul, Korea, Oct. 2013.
- [227] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. "On The Duality of E-Participation - Towards a Foundation for Citizen-Led Participation". In: *The 2nd Joint International Conference on Electronic Government and the Information Systems Perspective and International Conference on Electronic Democracy (EGOVIS '13, EDEM '13)*. Prague, Czech Republic, Aug. 2013.
- [228] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. "Structuring E-Participation Perspectives: Mapping and Aligning Models to Core Facets". In: *The 14th Annual International Conference on Digital Government Research (d.go 2013)*. Quebec, Canada, June 2013, pp. 224–234.
- [229] Owen Sacco and John G Breslin. "“I Like” - Analysing Interactions within Social Networks to Assert the Trustworthiness of Users, Sources and Content". In: *The 5th IEEE International Conference on Social Computing (SocialCom 2013)*. Washington, DC, USA, Sept. 2013.
- [230] Owen Sacco, John G Breslin, and Stefan Decker. "Fine-Grained Trust Assertions for Privacy Management in the Social Semantic Web". In: *The 12th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom '13)*. Melbourne, Australia, July 2013.
- [231] Owen Sacco, Matteo Collina, Gregor Schiele, Giovanni E Corazza, John G Breslin, and Manfred Hauswirth. "Fine-Grained Access Control for RDF Data on Mobile Devices". In: *The 14th International Conference on Web Information System Engineering (WISE 2013)*. Nanjing, China, Oct. 2013.
- [232] David N Crowley, John G Breslin, Peter Corcoran, and Karen Young. "Gamification of Citizen Sensing through Mobile Social Reporting". In: *The 4th IEEE International Games Innovation Conference*. Rochester, New York, USA, Sept. 2012.
- [233] Bahareh Rahmanzadeh Heravi, Marie Boran, and John G Breslin. "Towards Social Semantic Journalism". In: *The Workshop on the Potential of Social Media Tools and Data for Journalists (SocMedNews 2012) at the 6th International AAAI Conference on Weblogs and Social Media (ICWSM-12)*. Dublin, Ireland, June 2012.
- [234] Fabrizio Orlandi, John G Breslin, and Alexandre Passant. "Aggregated, Interoperable and Multi-Domain User Profiles for the Social Web". In: *The 8th International Conference on Semantic Systems (I-SEMANTICS 2012)*. Graz, Austria, Sept. 2012.
- [235] Lukasz Porwol, Padraig O'Donoghue, John G Breslin, Chris Coughlan, and Brendan Mulligan. "Social Inclusion and Digital Divide: eParticipation Dilemmas in Municipalities". In: *The 6th International Conference on Theory and Practice of Electronic Governance (ICEGOV 2012)*. Albany, New York, USA, Oct. 2012, pp. 389–392.
- [236] Lukasz Porwol, Padraig O'Donoghue, John G Breslin, Brendan Mulligan, and Chris Coughlan. "eParticipation and Transport Management: A Practical Approach". In: *The 13th International Conference on Digital Government Research (dg.o 2012)*. College Park, Maryland, USA, June 2012, pp. 278–279.
- [237] Owen Sacco and John G Breslin. "PPO and PPM 2.0: Extending the Privacy Preference Framework to Provide Finer-Grained Access Control for the Web of Data". In: *The 8th International Conference on Semantic Systems (I-SEMANTICS 2012)*. Graz, Austria, Sept. 2012.
- [238] Owen Sacco, Maciej Dabrowski, and John G Breslin. "Linking In-Game Events and Entities to Social Data on the Web". In: *The 4th IEEE International Games Innovation Conference*. Rochester, New York, USA, Sept. 2012.
- [239] Owen Sacco, Alexandre Passant, and John G Breslin. "User Controlled Privacy for Filtering the Web of Data with a User-Friendly Manager". In: *The 8th International Conference on Semantic Systems (I-SEMANTICS 2012)*. Graz, Austria, Sept. 2012.

- [240] Owen Sacco, George Thomas, and John G Breslin. “HADA - An Access Controlled Application for Publishing and Discovering Linked Government Data”. In: *The International Workshop on Intelligent Exploration of Semantic Data (IESD 2012) at the 18th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2012)*. Galway, Ireland, Oct. 2012.
- [241] Theodore A Vickey and John G Breslin. “A Study on Twitter Usage for Fitness Self Reporting via Mobile Apps”. In: *The AAAI 2012 Spring Symposium on Self-Tracking and Collective Intelligence for Personal Wellness*. Mar. 2012.
- [242] Theodore A Vickey, John G Breslin, and Antonio Williams. “Fitness - There’s an App for That: Review of Mobile Fitness Apps”. In: *The Third International Conference on Sport and Society (ICSS 2012)*. Cambridge, UK, July 2012.
- [243] Smitashree Choudhury and John G Breslin. “Extracting Semantic Entities and Events from Sports Tweets”. In: *The 1st Workshop on Making Sense of Microposts (MSM 2011) at the 8th Extended Semantic Web Conference (ESWC 2011)*. Heraklion, Greece, May 2011.
- [244] David N Crowley, Alexandre Passant, and John G Breslin. “Annotating Microblog Posts with Sensor Data for Emergency Reporting”. In: *The 4th International Workshop on Semantic Sensor Networks 2011 (SSN 2011) at the 10th International Semantic Web Conference (ISWC 2011)*. Bonn, Germany, Oct. 2011.
- [245] Sheila Kinsella, Alexandre Passant, and John G Breslin. “Topic Classification in Social Media Using Metadata from Hyperlinked Objects”. In: *The 33rd European Conference on Information Retrieval (ECIR 2011)*. Dublin, Ireland, Apr. 2011.
- [246] Sheila Kinsella, Mengjiao Wang, John G Breslin, and Conor Hayes. “Improving Categorisation in Social Media Using Hyperlinks to Structured Data Sources”. In: *The 8th Extended Semantic Web Conference (ESWC ’11)*. Heraklion, Greece, June 2011.
- [247] Jodi Schneider, Alexandre Passant, and John G Breslin. “Understanding and Improving Wikipedia Article Discussion Spaces”. In: *The 26th ACM Symposium On Applied Computing (SAC 2011)*. Taichung, Taiwan, Mar. 2011.
- [248] Theodore A Vickey, Nancey Trevanian Tsai, and John G Breslin. “Mobile Fitness Apps and Twitter: A Systemic Review”. In: *The 8th International Symposium on Computer Science in Sport (IACSS 2011)*. Sept. 2011, pp. 38–40.
- [249] Smitashree Choudhury and John G Breslin. “Enriching Videos With Light Semantics”. In: *The 4th International Conference on Advances in Semantic Processing (SEMAPRO 2010)*. Oct. 2010, pp. 126–131.
- [250] Smitashree Choudhury and John G Breslin. “Focused Concept Detection and Polarity Measurement of Web Videos Using Social Context”. In: *The Web Science Conference 2010 (WebSci ’10)*. Raleigh, North Carolina, USA, Apr. 2010.
- [251] Smitashree Choudhury and John G Breslin. “User Sentiment Detection: A YouTube Use Case”. In: *The 21st National Conference on Artificial Intelligence and Cognitive Science (AICS 2010)*. Aug. 2010.
- [252] Sheila Kinsella, Alexandre Passant, and John G Breslin. “Ten Years of Hyperlinks in Online Conversations”. In: *The Web Science Conference 2010 (WebSci ’10)*. Raleigh, North Carolina, USA, Apr. 2010.
- [253] Sheila Kinsella, Alexandre Passant, and John G Breslin. “Using Hyperlinks to Enrich Message Board Content with Linked Data”. In: *The 6th International Conference on Semantic Systems (I-SEMANTICS 2010)*. Graz, Austria, Sept. 2010.
- [254] Julie Letierce, Alexandre Passant, John G Breslin, and Stefan Decker. “Understanding How Twitter is Used to Spread Scientific Messages”. In: *The Web Science Conference 2010 (WebSci ’10)*. Raleigh, North Carolina, USA, Apr. 2010.
- [255] Julie Letierce, Alexandre Passant, John G Breslin, and Stefan Decker. “Using Twitter During an Academic Conference: The iswc2009 Use-Case”. In: *The 4th International Conference on Weblogs and Social Media (ICWSM-10)*. Washington, DC, USA, May 2010.

- [256] Alexandre Passant, Uldis Bojārs, John G Breslin, Tuukka Hastrup, Milan Stankovic, and Philippe Laublet. “An Overview of SMOB 2: Open, Semantic and Distributed Microblogging”. In: *The 4th International Conference on Weblogs and Social Media (ICWSM-10)*. Washington, DC, USA, May 2010.
- [257] Alexandre Passant, John G Breslin, and Stefan Decker. “Open, Distributed and Semantic Microblogging with SMOB”. In: *The 10th International Conference on Web Engineering (ICWE 2010)*. Vol. 6189. LNCS. Springer, July 2010, pp. 263–277.
- [258] Alexandre Passant, John G Breslin, and Stefan Decker. “Rethinking Microblogging: Open, Distributed, Semantic”. In: *The 10th International Conference on Web Engineering (ICWE 2010)*. Vol. 6189. LNCS. Springer, July 2010, pp. 263–277.
- [259] Alexandre Passant, Antoine Zimmerman, Jodi Schneider, and John G Breslin. “A Semantic Framework for Modelling Quotes in Email Conversations”. In: *The International Conference on Intelligent Semantic Web, Services and Applications (ISWSA 2010)*. Amman, Jordan, June 2010.
- [260] Jodi Schneider, Alexandre Passant, and John G Breslin. “A Content Analysis: How Wikipedia Talk Pages Are Used”. In: *The Web Science Conference 2010 (WebSci ’10)*. Raleigh, North Carolina, USA, Apr. 2010.
- [261] Jodi Schneider, Alexandre Passant, and John G Breslin. “Enhancing MediaWiki Talk pages with Semantics for Better Coordination: A Proposal”. In: *The 5th Workshop on Semantic Wikis: Linking Data and People Workshop (SemWiki 2010)*. Crete, Greece, May 2010.
- [262] Jodi Schneider, Alexandre Passant, Tudor Groza, and John G Breslin. “Argumentation 3.0: How Semantic Web Technologies Can Improve Argumentation Modeling in Web 2.0 Environments”. In: *The 3rd International Conference on Computational Models of Argument (COMMA 2010)*. Desenzano del Garda, Italy, Sept. 2010.
- [263] Uldis Bojars, Alexandre Passant, John G Breslin, and Stefan Decker. “The SIOC Project: Semantically-Interlinked Online Communities”. In: *The MALLOW Workshop on Coordination, Organization, Institutions and Norms in Agent Systems in Online Communities (COIN at MALLOW 2009)*. Turin, Italy, Sept. 2009.
- [264] Smitashree Choudhury, John G Breslin, and Stefan Decker. “A Lightweight Web Video Model with Content and Context Descriptions for Integration with Linked Data”. In: *The Workshop on Semantic Authoring, Annotation and Knowledge Markup Workshop (SAAKM 2009) at the 5th International Conference on Knowledge Capture (K-CAP 2009)*. Redondo Beach, California, USA, Sept. 2009.
- [265] Smitashree Choudhury, John G Breslin, and Alexandre Passant. “Enrichment and Ranking of the YouTube Tag Space and Integration with the Linked Data Cloud”. In: *The 8th International Semantic Web Conference (ISWC 2009)*. Washington, DC, USA, Oct. 2009.
- [266] Tuukka Hastrup, Uldis Bojārs, and John G Breslin. “SiocLog: Providing IRC discussion logs as Linked Data”. In: *The 2nd International Workshop on Social Data on the Web (SDOW 2009) at the 8th International Semantic Web Conference (ISWC 2009)*. Washington, DC, USA, Oct. 2009.
- [267] Hak-Lae Kim, Simon Scerri, and John G Breslin. “Analysis and Representation of Tagging Practices in Online Communities”. In: *The AAAI 2009 Spring Symposium on Social Semantic Web: Where Web 2.0 Meets Web 3.0*. Stanford, California, USA, Mar. 2009.
- [268] Alexandre Passant, Paolo Ciccarese, John G Breslin, and Tim Clark. “SWAN/SIOC: Aligning Scientific Discourse Representation and Social Semantics”. In: *The 1st International Workshop on Semantic Web Applications in Scientific Discourse (SWASD 2009) at the 8th International Semantic Web Conference (ISWC 2009)*. Washington, DC, USA, Oct. 2009.
- [269] Alexandre Passant, Philippe Laublet, John G Breslin, and Stefan Decker. “Semantic Search for Enterprise 2.0”. In: *The Workshop on Semantic Search (SemSearch2009) at the 18th International World Wide Web Conference (WWW2009)*. Apr. 2009.

- [270] Alexandre Passant, Philippe Laublet, John G Breslin, and Stefan Decker. “SemSLATES: Improving Enterprise 2.0 Information Systems”. In: *The 5th International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2009)*. Washington, DC, USA, Nov. 2009.
- [271] Alexandre Passant, Matthias Samwald, John G Breslin, and Stefan Decker. “Federating Distributed Social Data to Build an Interlinked Online Information Society”. In: *The Web Science Conference 2009 (WebSci '09)*. Athens, Greece, Mar. 2009.
- [272] Uldis Bojārs, John G Breslin, and Alexandre Passant. “Data Portability with SIOC and FOAF”. In: *The European Web Technologies Conference (XTech 2008)*. Dublin, Ireland, May 2008.
- [273] Uldis Bojārs, Alexandre Passant, and John G Breslin. “Weaving SIOC into the Web of Linked Data”. In: *The Workshop on Linked Data on the Web (LDOW 2008) at the 17th International World Wide Web Conference (WWW2008)*. Beijing, China, Apr. 2008.
- [274] Uldis Bojārs, Alexandre Passant, John G Breslin, and Stefan Decker. “Social Networks and Data Portability Using Semantic Web Technologies”. In: *The 2nd Workshop on Social Aspects of the Web (SAW 2008) at the 11th International Conference on Business Information Systems (BIS 2008)*. Innsbruck, Austria, May 2008.
- [275] Smitashree Choudhury and John G Breslin. “Using a Lightweight Multimedia Content Model for Semantic Annotation”. In: *The 8th Annual Conference on Information Technology and Telecommunication (IT&T 2008)*. Galway, Ireland, Oct. 2008.
- [276] Tudor Groza, Siegfried Handschuh, and John G Breslin. “Adding Provenance and Evolution Information to Modularized Argumentation Models”. In: *The IEEE/WIC/ACM International Conference on Web Intelligence (WI '08)*. Sydney, Australia, Dec. 2008.
- [277] Hak-Lae Kim, John G Breslin, Sung-Kwon Yang, and Hong-Gee Kim. “Social Semantic Cloud of Tags: A Semantic Model for Social Tagging”. In: *The 2nd KES International Symposium on Agent and Multi-Agent Systems: Technologies and Applications (KES AMSTA 2008)*. Vol. 4953. LNCS. Inha University, Korea, Mar. 2008, pp. 83–92.
- [278] Hak-Lae Kim, John G Breslin, Sung-Kwon Yang, Seung-Jae Song, and Hong-Gee Kim. “int.ere.st: Building a Tag Sharing Service with the SCOT Ontology”. In: *The AAAI 2008 Spring Symposium on Social Information Processing (SIP 2008)*. Stanford, California, USA, Mar. 2008.
- [279] Hak-Lae Kim, Alexandre Passant, John G Breslin, Simon Scerri, and Stefan Decker. “Review and Alignment of Tag Ontologies for Semantically-Linked Data in Collaborative Tagging Spaces”. In: *The 2nd IEEE International Conference on Semantic Computing (ICSC 2008)*. Santa Clara, California, USA, Aug. 2008.
- [280] Hak-Lae Kim, Simon Scerri, John G Breslin, Stefan Decker, and Hong-Gee Kim. “The State of the Art in Tag Ontologies: A Semantic Model for Tagging and Folksonomies”. In: *The 8th International Conference on Dublin Core and Metadata Applications (DC 2008)*. Berlin, Germany, Sept. 2008.
- [281] Hak-Lae Kim, Sung-Kwon Yang, Ji-Woong Jung, Kwang-Sub Kim, John G Breslin, Stefan Decker, and Hong-Gee Kim. “Combining Tags and the Semantic Web for Linked Tagging Data”. In: *The 6th Semantic Web Challenge at the 7th International Semantic Web Conference (ISWC 2008)*. Oct. 2008.
- [282] Sheila Kinsella, Uldis Bojārs, Andreas Harth, John G Breslin, and Stefan Decker. “An Interactive Map of Semantic Web Ontology Usage”. In: *The 12th International Conference on Information Visualisation (IV '08)*. London, UK, July 2008, pp. 179–184.
- [283] Sheila Kinsella, John G Breslin, Alexandre Passant, and Stefan Decker. “Applications of Semantic Web Methodologies and Techniques to Social Networks and Social Websites”. In: *The Reasoning Web Summer School 2008 (RWSS 2008)*. Vol. 5224. LNCS. Sept. 2008, pp. 171–199.
- [284] Sheila Kinsella, Adriana Budura, Gleb Skobeltsyn, Sébastien Michel, John G Breslin, and Karl Aberer. “From Web 1.0 to Web 2.0 and Back - How Did Your Grandma Use to Tag?” In: *The 10th ACM International Workshop on Web Information and Data Management (WIDM 2008)*. Napa Valley, California, USA, Oct. 2008.

- [285] Christoph Lange, Uldis Bojārs, Tudor Groza, John G Breslin, and Siegfried Handschuh. “Expressing Argumentative Discussions in Social Media Sites”. In: *The 1st International Workshop on Social Data on the Web (SDOW 2008) at the 7th International Semantic Web Conference (ISWC 2008)*. Karlsruhe, Germany, Oct. 2008.
- [286] Alexandre Passant, Tuukka Hastrup, Uldis Bojārs, and John G Breslin. “A Distributed Semantic Microblogging Platform”. In: *The 4th Workshop on Scripting for the Semantic Web (SFSW 2008) at the 5th European Semantic Web Conference (ESWC '08)*. 2nd Prize Award. Tenerife, Spain, June 2008.
- [287] Alexandre Passant, Tuukka Hastrup, Uldis Bojārs, and John G Breslin. “Microblogging: A Semantic Web and Distributed Approach”. In: *The 4th Workshop on Scripting for the Semantic Web (SFSW 2008) at the 5th European Semantic Web Conference (ESWC '08)*. Tenerife, Spain, June 2008.
- [288] Boanerges Aleman-Meza, Uldis Bojārs, Harold Boley, John G Breslin, Małgorzata Mochol, Lyndon J B Nixon, Axel Polleres, and Anna V Zhdanova. “Combining RDF Vocabularies for Expert Finding”. In: *The 4th European Semantic Web Conference (ESWC '07)*. Innsbruck, Austria, June 2007.
- [289] Uldis Bojārs and John G Breslin. “From Online Community Data to RDF”. In: *W3C Workshop on RDF Access to Relational Databases*. Cambridge, Massachusetts, USA, Oct. 2007.
- [290] Uldis Bojārs and John G Breslin. “ResumeRDF: Expressing Skill Information on the Semantic Web”. In: *The 1st International ExpertFinder Workshop (EFW 2007)*. Berlin, Germany, Jan. 2007.
- [291] Uldis Bojārs, Alexandre Passant, Frederick Giasson, and John G Breslin. “An Architecture to Discover and Query Decentralised RDF Data”. In: *The 3rd Workshop on Scripting for the Semantic Web at the 4th European Semantic Web Conference (ESWC '07)*. Innsbruck, Austria, June 2007.
- [292] John G Breslin, Uldis Bojārs, Boanerges Aleman-Meza, Harold Boley, Małgorzata Mochol, Lyndon J B Nixon, Axel Polleres, and Anna V Zhdanova. “Finding Experts Using Internet-Based Discussions in Online Communities and Associated Social Networks”. In: *The 1st International ExpertFinder Workshop (EFW 2007)*. Berlin, Germany, Jan. 2007.
- [293] John G Breslin, Sławomir Grzonkowski, Adam Gzella, Sebastian Ryszard Kruk, and Tomasz Woroniecki. “Sharing Information Across Community Portals with FOAFRealm”. In: *The 4th IADIS International Conference on Web-Based Communities (WBC 2007)*. Salamanca, Spain, Feb. 2007.
- [294] John G Breslin, Ron Kass, and Uldis Bojārs. “The Boardscape: Creating a Super Social Network of Message Boards”. In: *The International Conference on Weblogs and Social Media (ICWSM 2007)*. Boulder, Colorado, Mar. 2007.
- [295] Hak-Lae Kim, Sung-Kwon Yang, John G Breslin, and Hong-Gee Kim. “Simple Algorithms for Representing Tag Frequencies in the SCOT Exporter”. In: *The IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT '07)*. Silicon Valley, California, USA, Nov. 2007.
- [296] Hak-Lae Kim, Sung-Kwon Yang, Seung-Jae Song, John G Breslin, and Hong-Gee Kim. “Tag Mediated Society with SCOT Ontology”. In: *The 5th Semantic Web Challenge at the 6th International Semantic Web Conference (ISWC 2007)*. Nov. 2007.
- [297] Sheila Kinsella, Andreas Harth, and John G Breslin. “Network Analysis of Semantic Connections in Heterogeneous Social Spaces”. In: *The UK Social Network Conference*. University of London, UK, July 2007.
- [298] Sheila Kinsella, Andreas Harth, Alexander Troussov, Mikhail Sogrin, John Judge, Conor Hayes, and John G Breslin. “Navigating and Annotating Semantically-Enabled Networks of People and Associated Objects”. In: *The 4th Conference on Applications of Social Network Analysis (ASNA 2007)*. University of Zurich, Switzerland, Sept. 2007.
- [299] Ke Ning, Vassilios Peristeras, Uldis Bojārs, and John G Breslin. “A SIOC-Enabled Explorer of Shared Workspaces”. In: *The Workshop on CSCW and Web 2.0 at the 10th European Conference on Computer Supported Cooperative Work (ECSCW 2007)*. Limerick, Ireland, Sept. 2007.
- [300] Alexandre Passant, Uldis Bojārs, Frederick Giasson, and John G Breslin. “Smart Tools to Easily Discover and Query Decentralised Semantic Web Data”. In: *The 4th European Semantic Web Conference (ESWC '07)*. Innsbruck, Austria, June 2007.

- [301] Hee-Chul Choi, Sebastian Ryszard Kruk, Sławomir Grzonkowski, Katarzyna Stankiewicz, Brian Davis, and John G Breslin. “Trust Models for Community Aware Identity Management”. In: *The Identity, Reference and Web Workshop (IRW2006) at the 15th International World Wide Web Conference (WWW2006)*. Edinburgh, Scotland, May 2006.
- [302] Knud Möller, Uldis Bojārs, and John G Breslin. “Using Semantics to Enhance the Blogging Experience”. In: *The 3rd European Semantic Web Conference (ESWC '06)*. Vol. 4011. LNCS. Budva, Montenegro, June 2006, pp. 679–696.
- [303] Eyal Oren, Stefan Decker, and John G Breslin. “How Semantics Make Better Wikis”. In: *The 15th International World Wide Web Conference (WWW2006)*. Edinburgh, Scotland, May 2006.
- [304] Eyal Oren, Max Völkel, John G Breslin, and Stefan Decker. “Semantic Wikis for Personal Knowledge Management”. In: *The 17th International Conference on Database and Expert Systems Applications (DEXA 2006)*. Krakow, Poland, Sept. 2006.
- [305] John G Breslin, Stefan Decker, and Andreas Harth. “An Approach to Connect Web-Based Communities”. In: *The 2nd IADIS International Conference on Web-Based Communities (WBC 2005)*. Carvoeiro, Portugal, Feb. 2005, pp. 272–275.
- [306] John G Breslin, Andreas Harth, Uldis Bojārs, and Stefan Decker. “Towards Semantically-Interlinked Online Communities”. In: *The 2nd European Semantic Web Conference (ESWC '05)*. Vol. 3532. LNCS. Seven-Year Most Influential Paper Award. Heraklion, Greece, May 2005, pp. 500–514.
- [307] Andreas Harth, Hannes Gassert, Ina O’Murchu, John G Breslin, and Stefan Decker. “WikiOnt: An Ontology for Describing and Exchanging Wiki Articles”. In: *The 1st International Wikimedia Conference (Wikimania 2005)*. Frankfurt, Germany, Aug. 2005.
- [308] Aidan Hogan, Andreas Harth, and John G Breslin. “Podcast Pinpointer: A Multimedia Semantic Web Application”. In: *The 2nd European Workshop on the Integration of Knowledge, Semantic and Digital Media Technologies (EWIMT 2005)*. London, UK, Nov. 2005.
- [309] Knud Möller, John G Breslin, and Stefan Decker. “semiBlog - Semantic Publishing of Desktop Data”. In: *The 14th International Conference on Information Systems Development (ISD 2005)*. Karlstad, Sweden, Aug. 2005.
- [310] BrahmaNanda Sapkota, Lars Ludwig, Xuan Zhou, and John G Breslin. “SiFo-Peers: A Social FOAF Based Peer-to-Peer Network”. In: *The 16th Annual International Information Management Association Conference (IIMA 2005)*. Dublin, Ireland, Sept. 2005.
- [311] Andreas Harth, John G Breslin, Ina O’Murchu, and Stefan Decker. “Linking Semantically-Enabled Online Community Sites”. In: *The 1st Workshop on Friend of a Friend, Social Networking and the (Semantic) Web (FOAF Galway)*. Galway, Ireland, Sept. 2004, pp. 19–29.
- [312] Ina O’Murchu, John G Breslin, and Stefan Decker. “Online Social and Business Networking Communities”. In: *The Workshop on the Application of Semantic Web Technologies to Web Communities at the 16th European Conference on Artificial Intelligence 2004 (ECAI 2004)*. Valencia, Spain, Aug. 2004.
- [313] Ina O’Murchu, John G Breslin, Stefan Decker, and Marco Neumann. “Sneachta and the PUII: The Semantic Social Network Portal”. In: *The 3rd International Semantic Web Conference (ISWC 2004)*. Hiroshima, Japan, Nov. 2004.
- [314] John G Breslin and W Gerard Hurley. “A Web-Based System for Transformer Design”. In: *The 7th International Conference on Knowledge-Based Intelligent Information and Engineering Systems (KES 2003)*. Vol. 2773. LNCS. University of Oxford, UK, Sept. 2003, pp. 715–721.
- [315] Sean Coughlan and John G Breslin. “The Application of Modern PDA Technology for Effective Handheld Solutions in the Retail Industry”. In: *The IEEE International Conference on Industrial Technology (ICIT '03)*. Maribor, Slovenia, Dec. 2003, pp. 411–415.
- [316] John G Breslin and W Gerard Hurley. “Computer Aided High Frequency Transformer Design Using an Optimized Methodology”. In: *The 7th IEEE Workshop on Computers in Power Electronics (COMPEL 2000)*. Blacksburg, Virginia, USA, July 2000, pp. 268–271.

- [317] W Gerard Hurley, Eugene Gath, and John G Breslin. "Optimizing the AC Resistance of Multilayer Transformer Windings with Arbitrary Current Waveforms". In: *The 30th IEEE Power Electronics Specialists Conference (PESC '99)*. Charleston, South Carolina, USA, June 1999.
- [318] John G Breslin and W Gerard Hurley. "Derivation of Optimum Winding Thickness for Duty Cycle Modulated Current Wavesshapes". In: *The 28th IEEE Power Electronics Specialists Conference (PESC '97)*. St. Louis, Missouri, USA, June 1997, pp. 655–661.
- [319] John G Breslin and W Gerard Hurley. "A Novel Optimisation Scheme for Designing High Frequency Transformer Windings". In: *The 31st Universities Power Engineering Conference (UPEC 1996)*. Vol. 1. Crete, Greece, Sept. 1996, pp. 465–468.
- [320] Glenn Skutt, Fred C Lee, and John G Breslin. "Measurement Issues in the Characterization of Ferrite Magnetic Material". In: *VPEC Seminar Series*. Blacksburg, Virginia, USA, Sept. 1996.
- [321] John G Breslin and W Gerard Hurley. "Design of Magnetic Components Using a Graphical Interface: Inclusive of High Frequency Effects". In: *The 30th Universities Power Engineering Conference (UPEC 1995)*. Vol. 1. University of Greenwich, UK, Sept. 1995, pp. 347–350.

## Abstracts

- [322] John G Breslin. "Galway City Innovation District". Best Poster Award, MIT Innovation Ecosystem (iEcosystem) Symposium. Oct. 2017.
- [323] Dianne HB Welsh, Eugene Kaciak, and John G Breslin. "Irish Women Entrepreneurs: Opportunities and Challenges for International Growth". The 21st McGill International Entrepreneurship Conference. Aug. 2017.

## Non-Peer Reviewed Publications

### Technical Reports

- [324] Bharath Sudharsan, Dineshkumar Sundaram, Pankesh Patel, John G Breslin, Muhammad I Ali, Schahram Dustdar, Albert Zomaya, and Rajiv Ranjan. *Multi-Component Optimization and Efficient Deployment of Neural-Networks on Resource-Constrained IoT Hardware*. Tech. rep. Confirm SFI Research Centre for Smart Manufacturing, National University of Ireland Galway, Apr. 2022.
- [325] Dixon Vimalajeewa, Subhasis Thakur, John G Breslin, Donagh P Berry, and Sasitharan Balasubramaniam. *Block Chain and Internet of Nano-Things for Optimizing Chemical Sensing in Smart Farming*. Tech. rep. VistaMilk SFI Research Centre for Digitalising Dairy, National University of Ireland Galway, Oct. 2020.
- [326] Guangyuan Piao and John G Breslin. *Inferring User Interests in Microblogging Social Networks: A Survey*. Tech. rep. Insight SFI Research Centre for Data Analytics, National University of Ireland Galway, Oct. 2017.
- [327] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. *Data Selection Strategies for Multi-Domain Sentiment Analysis*. Tech. rep. Insight SFI Research Centre for Data Analytics, National University of Ireland Galway, Feb. 2017.
- [328] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. *Knowledge Adaptation: Teaching to Adapt*. Tech. rep. Insight SFI Research Centre for Data Analytics, National University of Ireland Galway, Feb. 2017.
- [329] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. *Character-Level and Multi-Channel Convolutional Neural Networks for Large-Scale Authorship Attribution*. Tech. rep. Insight SFI Research Centre for Data Analytics, National University of Ireland Galway, Sept. 2016.
- [330] Raquel Amaro, John G Breslin, Jorge Cardoso, Francesco Guerra, Raquel Trillo-Lado, and Yannis Velegrakis. *KEYSTONE IC1302 White Paper: Collecting and Generating New Ideas*. Tech. rep. KEYSTONE COST Action IC1302, Oct. 2014.

- [331] John G Breslin, David Card, Maciej Dabrowski, and Mark Mulligan. *Sizing the EU App Economy: Eurapp Executive Summary*. Tech. rep. Directorate-General for Communications Networks, Content and Technology, European Commission, July 2014.
- [332] John G Breslin, David Card, Maciej Dabrowski, and Mark Mulligan. *Sizing the EU App Economy: Eurapp Final Report*. Tech. rep. Directorate-General for Communications Networks, Content and Technology, European Commission, July 2014.
- [333] Dan Brickley, Libby Miller, Toby Inkster, Yi Zeng, Yan Wang, Danica Damljanovic, Zhisheng Huang, Sheila Kinsella, John G Breslin, and Bob Ferris. *The Cognitive Characteristics Ontology*. Tech. rep. User (Weighted) Interests Ontology Working Group, VoCamp, Sept. 2010.
- [334] Dan Brickley, Libby Miller, Toby Inkster, Yi Zeng, Yan Wang, Danica Damljanovic, Zhisheng Huang, Sheila Kinsella, John G Breslin, and Bob Ferris. *The Weighted Interests Vocabulary*. Tech. rep. User (Weighted) Interests Ontology Working Group, VoCamp, Sept. 2010.
- [335] Andy Seaborne, Geetha Manjunath, Chris Bizer, John G Breslin, Souripriya Das, Ian Davis, Steve Harris, Kingsley Idehen, Olivier Corby, Kjetil Kjernsmo, and Benjamin Nowack. *SPARQL Update - A Language for Updating RDF Graphs*. W3C Member Submission. World Wide Web Consortium, July 2008.
- [336] Uldis Bojārs, John G Breslin, Diego Berrueta, Dan Brickley, Stefan Decker, Sergio Fernández, Christoph Görn, Andreas Harth, Tom Heath, Kingsley Idehen, Kjetil Kjernsmo, Alistair Miles, Alexandre Passant, Axel Polleres, Luis Polo, and Michael Sintek. *SIOC Core Ontology Specification*. W3C Member Submission. World Wide Web Consortium, June 2007.
- [337] Uldis Bojārs, John G Breslin, Alexandre Passant, Sergio Fernández, Frederick Giasson, and Kingsley Idehen. *SIOC Ontology: Applications and Implementation Status*. W3C Member Submission. World Wide Web Consortium, June 2007.
- [338] Uldis Bojārs, John G Breslin, Alexandre Passant, and Axel Polleres. *SIOC Ontology: Related Ontologies and RDF Vocabularies*. W3C Member Submission. World Wide Web Consortium, June 2007.
- [339] Andreas Harth, John G Breslin, and Stefan Decker. *Linking Semantically Enabled Online Community Sites*. Tech. rep. Digital Enterprise Research Institute, National University of Ireland Galway, Aug. 2004.
- [340] Ina O'Murchu, John G Breslin, and Stefan Decker. *Online Social and Business Networking Communities*. Tech. rep. Digital Enterprise Research Institute, National University of Ireland Galway, Aug. 2004.
- [341] Ina O'Murchu, John G Breslin, and Stefan Decker. *Semantic Web Portal: Community Portal Survey*. Tech. rep. Digital Enterprise Research Institute, National University of Ireland Galway, Apr. 2004.

## Other

- [342] Antonio Aguilar, Fabio Quondamatteo, Faisal Sharif, Gearóid Ó Laighin, and John G Breslin. *Method and Apparatus for Identifying Subjects at Risk of Sudden Arrhythmic Death*. Patent Application. 2012.
- [343] Nova Spivack, William D McDaniel, and John G Breslin. *Systems and Methods of User-Defined Streams Containing User-Specified Frames of Multi-Media Content*. Patent Application. Sept. 2012.
- [344] John G Breslin, Uldis Bojārs, Alexandre Passant, Sergio Fernández, and Stefan Decker. *SIOC: Content Exchange and Semantic Interoperability Between Social Networks*. Position Paper. Barcelona, Spain, Jan. 2009.
- [345] John G Breslin, Stefan Decker, Manfred Hauswirth, Gearóid Hynes, Danh Le Phuoc, Alexandre Passant, Axel Polleres, Cornelius Rabsch, and Vinny Reynolds. *Integrating Social Networks and Sensor Networks*. Position Paper. Barcelona, Spain, Jan. 2009.
- [346] Alexandre Passant, Michael Hausenblas, Sean O'Riain, Kingsley Idehen, John G Breslin, and Stefan Decker. *Social Semantics and Linked Data for Improving Access to Financial Data on the Web*. Position Paper. Arlington, Virginia, USA, Oct. 2009.

- [347] John G Breslin. *Creating a Social Network from an Existing Bulletin Board Community*. Position Paper. Galway, Ireland, Sept. 2004.
- [348] Ina O'Murchu, John G Breslin, and Stefan Decker. *Social Networking Portals: An Overview and Evaluation*. Position Paper. Galway, Ireland, Sept. 2004.

#### PhD Thesis

- [349] John G Breslin. “Optimisation of High Frequency Transformer Design with Arbitrary Current and Voltage Waveforms”. PhD thesis. National University of Ireland, Galway, Apr. 2002.

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#### EDITORSHIPS

#### Journals

- E. Demidova, S. Dietze, J.G. Breslin, J. Szymanski, Special Issue on Dataset Profiling and Federated Search for Linked Data, International Journal on Semantic Web and Information Systems (IJSWIS), vol. 12, no. 3, April 2016.
- J.G. Breslin, M. Nagarajan, Special Section on the Semantic and Social Web, Elsevier Journal of Web Semantics, vol. 18, no. 1, pp. 1-48, January 2013.
- J.G. Breslin, D. O’Sullivan, Special Issue on Semantic Web Computing in Industry, Elsevier Computers in Industry Journal, vol. 61, no. 8, October 2010.

#### Conference and Workshop Proceedings

- M. Koubarakis, H. Alani, G. Antoniou, K. Bontcheva, J.G. Breslin, D. Collarana, E. Demidova, S. Dietze, S. Gottschalk, G. Governatori, A. Hogan, F. Lecue, E. Montiel Ponsoda, A.-C. Ngonga Ngomo, S. Pinto, M. Saleem, R. Troncy, E. Tsalapati, R. Usbeck, R. Verborgh, Joint Proceedings of the International Workshop on Artificial Intelligence for Legal Documents (AI4LEGAL 2020), the 6th Natural Language Interfaces for the Web of Data Workshop (NLIWOD 2020), the 7th International Workshop on Dataset PROFILING and Search (PROFILES 2020), the 4th Workshop on Storing, Querying and Benchmarking the Web of Data (QuWeDa 2020) and the Workshop on Semantics for Online Misinformation Detection, Monitoring, and Prediction (SEMIFORM 2020) at the 19th International Semantic Web Conference (ISWC 2020), CEUR vol. 2722, ISSN 1613-0073, November 2020. <http://ceur-ws.org/Vol-2722/>.
- E. Demidova, S. Dietze, S. Gottschalk, J.G. Breslin, P. Cimiano, B. Ell, A. Lawrynowicz, L. Moss, A.-C. Ngonga Ngomo, Joint Proceedings of the 6th International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2019) and the 1st Workshop on Semantic Explainability (SEMEX 2019) at the 18th International Semantic Web Conference (ISWC 2019), CEUR vol. 2465, ISSN 1613-0073, October 2019. <http://ceur-ws.org/Vol-2465/>
- L. Koesten, E. Demidova, V. Savenkov, J.G. Breslin, O. Corcho, S. Dietze, E. Simperl, The International Workshop on Profiling and Searching Data on the Web (PROFILES and DATA:SEARCH 2018), Companion Proceedings of the 27th Web Conference 2018 (TheWebConf 2018), pp. 1479-1526, April 2018. <https://dl.acm.org/citation.cfm?id=3184558>
- E. Demidova, S. Dietze, J. Szymanski, J.G. Breslin, Proceedings of the 4th International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2017) at the 16th International Semantic Web Conference (ISWC 2017), CEUR vol. 1927, ISSN 1613-0073, September 2017. <http://ceur-ws.org/Vol-1927>
- E. Demidova, S. Dietze, J. Szymanski, J.G. Breslin, Proceedings of the 3rd International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2016) at the 13th Extended

- Semantic Web Conference (ESWC 2016), CEUR vol. 1597, ISSN 1613-0073, May 2016. <http://ceur-ws.org/Vol-1597>
- T. Omitola, J.G. Breslin, P. Barnaghi (eds.), Proceedings of the 6th Workshop on Semantics for Smarter Cities (S4SC 2015) at the 14th International Semantic Web Conference (ISWC 2015), CEUR vol. 1630, ISSN 1613-0073, Bethlehem, Philadelphia, USA, October 2015. <http://ceur-ws.org/Vol-1630>
  - E. Demidova, S. Dietze, J. Szymanski, J.G. Breslin, B. Berendt, L. Dragan, L. Hollink, M. Luczak-Roesch, Joint Proceedings of the 3rd International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2015) and the 5th International Workshop on Using the Web in the Age of Data (USEWOD 2015) at the 12th Extended Semantic Web Conference (ESWC 2015), CEUR vol. 1362, ISSN 1613-0073, May 2015. <http://ceur-ws.org/Vol-1362>
  - P. De Leenheer, J.G. Breslin, H. Alani, R.R. de Querol, K.E. Kappler, Proceedings of the 1st International IFIP Working Conference on Value-Driven Social Semantics & Collective Intelligence (VaSCo 2013) at the 5th International ACM Web Science Conference (WebSci 2013), CEUR vol. 1357, ISSN 1613-0073, May 2015. <http://ceur-ws.org/Vol-1357>
  - T. Omitola, J.G. Breslin, P. Barnaghi (eds.), Proceedings of the 5th Workshop on Semantics for Smarter Cities (S4SC 2014) at the 13th International Semantic Web Conference (ISWC 2014), CEUR vol. 1280, ISSN 1613-0073, Trentino, Italy, October 2014. <http://ceur-ws.org/Vol-1280>
  - P. Molli, J.G. Breslin, M.E. Vidal, Proceedings of the 3rd Workshop on Semantic Web Collaborative Spaces (SWCS 2014) at the 13th International Semantic Web Conference (ISWC 2014), CEUR vol. 1275, ISSN 1613-0073, Trentino, Italy, October 2014. <http://ceur-ws.org/Vol-1275>
  - E. Demidova, S. Dietze, J. Szymanski, J.G. Breslin, Proceedings of the 1st International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2014) at the 11th Extended Semantic Web Conference (ESWC 2014), CEUR vol. 1151, ISSN 1613-0073, May 2014. <http://ceur-ws.org/Vol-1151>
  - J.G. Breslin, U. Bojārs, A. Passant, S. Fernández (eds.), Proceedings of the 4th International Workshop on Social Data on the Web (SDOW 2011) at the 10th International Semantic Web Conference (ISWC 2011), CEUR vol. 830, ISSN 1613-0073, Bonn, Germany, October 2011. <http://ceur-ws.org/Vol-830>
  - J.G. Breslin, U. Bojārs, A. Passant, S. Fernández (eds.), Proceedings of the 3rd International Workshop on Social Data on the Web (SDOW 2010) at the 9th International Semantic Web Conference (ISWC 2010), CEUR vol. 664, ISSN 1613-0073, Washington, DC, USA, Shanghai, China, November 2010. <http://ceur-ws.org/Vol-664>
  - J.G. Breslin, U. Bojārs, A. Passant, S. Fernández (eds.), Proceedings of the 2nd International Workshop on Social Data on the Web (SDOW 2009) at the 8th International Semantic Web Conference (ISWC 2009), CEUR vol. 520, ISSN 1613-0073, Washington, DC, USA, October 2009. <http://ceur-ws.org/Vol-520>
  - J.G. Breslin, U. Bojārs, A. Passant, S. Fernández (eds.), Proceedings of the 1st International Workshop on Social Data on the Web (SDOW 2008) at the 7th International Semantic Web Conference (ISWC 2008), CEUR vol. 405, ISSN 1613-0073, Karlsruhe, Germany, October 2008. <http://ceur-ws.org/Vol-405>
  - M. Mochol, A.V. Zhdanova, L.J.B. Nixon, J.G. Breslin, A. Polleres (eds.), Proceedings of The 3rd International ExpertFinder Workshop on Personal Identification and Collaborations: Knowledge Mediation and Extraction (PICKME 2008) at the 7th International Semantic Web Conference (ISWC 2008), CEUR vol. 403, ISSN 1613-0073, Karlsruhe, Germany, October 2008. <http://ceur-ws.org/Vol-403>
  - A.V. Zhdanova, L.J.B. Nixon, M. Mochol, J.G. Breslin (eds.), Proceedings of The 2nd International ExpertFinder Workshop on Finding Experts on the Web with Semantics (FEWS 2007) at the 6th International Semantic Web Conference and the 2nd Asian Semantic Web Conference (ISWC 2007 + ASWC 2007), CEUR vol. 290, ISSN 1613-0073, Busan, Korea, November 2007. <http://ceur-ws.org/Vol-290>

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## FUNDING

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## Funding as Budget Holder

Period	Funding agency	€ Own / University of Galway total	Role	Title of research project / programme
2023-2026	EC	€108,572 / €434,289	PI	Decarbonisation and Digitalisation of Atlantic Ports (ENEPORTS) (with Umair Ul Hassan and Pau Farràs) / Interreg Atlantic Area
2023-2026	EC	€225,781	PI	Advanced Digital Technologies for the Blue Economy (ADT4Blue) / Interreg Atlantic Area
2023-2023	GÉANT	€30,000	Co-PI	Secure Data Management for Multi-Cloud Environments (SecMC) (with Nitesh Bharot) / Innovation Programme
2023-2026	EC, EI	€1,143,029	Co-PI	Data2Sustain / European Digital Innovation Hubs
2022-2027	SFI	€399,201	Co-PI	Sustainable, Green and Energy Efficient Artificial Intelligence for Autonomous Systems (SustAIn) (with Steven Davy at TU Dublin) / Frontiers for the Future
2022-2025	HEA	€861,000	PI	MSc in AgInnovation / Springboard+
2021-2022	HEA	€220,580	PI	MSc in AgInnovation (with Brendan Allen) / Springboard+
2020-2023	EC	€217,750	Co-PI	OntoCommons / Horizon 2020 DT-NMBP-39-2020
2020-2021	SFI	€87,475	Co-PI	Distributed Ledger Technology Identifying and Solving Public Service Problems Using the Blockchain (with Kosala Yapa Bandara and Subhasis Thakur) / SFI Public Service Fellowship Programme
2020-2021	HEA	€263,220	PI	MSc in AgInnovation (with Brendan Allen) / Springboard+
2020-2021	SFI	€220,000	Co-PI	The First Digital Biomarker in Female Reproductive Health, Uncloaking Endometriosis and Filling the Diagnostic Gap (Cailín) (with Siobhán Kelleher) / SFI Future Innovator Prize
2019-2025	SFI	€350,151 / €12,000,000	Co-PI	Insight Centre for Data Analytics / Research Centre Phase 2
2019-2023	EC	€194,239	PI	Smart Manufacturing Advanced Research Training (SMART 4.0) / Marie Skłodowska-Curie Action COFUND
2019-2022	DBEI	€384,089	Co-PI	Cooperative Energy Trading System (CENTS) (with Subhasis Thakur) / Disruptive Technologies Innovation Fund
2019-2021	EC	€41,480	Co-PI	Circular HRM (with Paul Flynn) / EACEA Erasmus+ Strategic Partnerships
2019-2020	HEA	€245,970	PI	MSc in AgInnovation / Springboard+
2018-2024	SFI	€377,249	FI	VistaMilk Centre for Precision Pasture-Based Dairying / Research Centre
2018-2021	EC	€219,227	Coordinator	Startup Skills for Researchers and Innovators in Entrepreneurship Development (STARTED) / EACEA Erasmus+ Programme Knowledge Alliances

2018-2019	EI	€12,430	PI	Dynamic Cybersecurity Infrastructure Simulation (with Subhasis Thakur) / Coordinator Proposal Preparation Support
2018-2019	HEA	€185,707	Co-PI	MSc in AgInnovation (with Paul Flynn) / Springboard+
2018-2019	IERC	€45,707	Co-PI	P2P Energy Trading Using Blockchain (En-erPort) (with Subhasis Thakur and Barry Hayes) / T2 Collaborative Research Programme (top-ranked proposal)
2018-2018	SFI, IBM	€42,397	Co-PI	Blockchain and FinTech (with Subhasis Thakur) / Targeted Project
2017-2023	SFI	€1,093,767	Co-PI	Confirm Centre for Smart Manufacturing / Research Centre
2017-2018	HEA	€171,086	PI	Postgraduate Diploma in TechInnovation / Springboard+
2015-2019	IRC, AYLIEN	€96,000	PI	PhD on Neural Transfer Learning / Employment Based Postgraduate Programme
2015-2017	IRC, AYLIEN	€48,000	PI	MApplSc on Streaming Sentiment Analysis / Employment Based Postgraduate Programme
2015-2015	EI	€15,000	PI	Privacy Preference Framework / Commercial Case Feasibility Grant
2015-2015	EI	€11,452	PI	Digital Age Narrative Trajectories / Coordinator Proposal Preparation Support
2014-2019	SFI	€785,806 / €12,450,025	Co-PI	Insight Centre for Data Analytics / Research Centre
2014-2018	SFI, SAP	€175,000	Co-PI	PhD on Modelling in OSNs for Recommendation / Targeted Project
2014-2017	EC	€30,000 / €90,000	Co-PI	A Collaboration Ecosystem Enabling EU Creative SMEs to Exchange Multimedia Content and Create Multiplot, Interactive Apps for Children, Curated According to Reader Ability and Educational Value (Q-Tales) (with Michael Hogan and Tony Hall) / Horizon 2020 ICT-18-2014
2014-2015	EI	€12,000	PI	Biology-Like Monitoring of Innovation Strategies / Coordinator Proposal Preparation Support
2014-2015	EI	€12,920	PI	Citizen Activism to Improve Law Enforcement and Policing by Communities / Coordinator Proposal Preparation Support
2014-2015	EI	€12,000	PI	Protecting Privacy in the Social Web / Coordinator Proposal Preparation Support
2014-2014	SFI	€97,049	PI	Social Media Repository of Ireland (with Royal Irish Academy) / Technology Innovation Development Award
2013-2017	EC	€0	Co-Proposer	KEYSTONE Semantic Keyword-Based Search on Structured Data Sources / COST Action
2013-2014	SFI	€200,000	FI	Insight Centre for Data Analytics / Research Centre
2013-2014	EC	€291,925	PI	Eurapp Study on the EU App Economy (with Gigaom Research) / Startup Europe Study
2013-2013	IRC	€9,995	PI	researchers.ie / N/A

2012-2012	SFI	€23,700	PI	AAAI ICWSM-12 Support Grant / Conferences and Workshops Programme
2010-2010	SFI	€6,501	PI	Visiting Researcher at the National Institute for Informatics in Tokyo / Short Term Travel Fellowship Grant
2010-2014	IRC, ACE	€72,009	PI	PhD on Physical Activity and Social Networks / Enterprise Partnership Scheme
2009-2011	IRC	€48,006	PI	MEngSc on Social Networks for Irish Researchers / Government of Ireland Postgraduate Scholarship
2008-2013	SFI	€822,000 / €14,889,398	Co-PI	DERI Lón II / Centre for Science, Engineering and Technology
2008-2009	EI, TouristR	€197,184	PI	TripPlanr / Innovation Partnership
2008-2008	EI	€4,132	PI	TouristR Background Research / Innovation Voucher
2003-2003	NUI Galway	€6,500	PI	Web-Based Magnetic Component Design / Millennium Fund

## Other Funding

Period	Funding agency	€ Total	Role	Title of research project / programme
2018	EI	€2,487,000	Non-Profit	Galway City Innovation District: Building Two / Regional Enterprise Development Fund
2017	EI	€20,000	Non-Profit	Galway City Innovation District: Building Two / Regional Enterprise Development Fund Feasibility Grant
2017	EI	€670,000	Non-Profit	Galway City Innovation District: NDRC at PorterShed / Regional Accelerator Development Scheme
2015	EI	€178,417	Non-Profit	Galway City Innovation District: The PorterShed / Community Enterprise Initiative

## Funding Reviewer

- Ulysses Scheme for the Irish Research Council [2024]
- Accelerator Jury Member (Evaluator) for the European Innovation Council (EIC)[2023]
- Horizon 2020 Soft Landing Project for the European Commission (Monitor) [2019]
- Research Foundation - Flanders (FWO) [2018]
- College of Expert Reviewers for the European Science Foundation (ESF) [2017 – Present]
- Horizon 2020 Call ICT-11-2017 for the European Commission (Evaluator) [2017]
- French National Institute for Research in Computer Science and Control (INRIA) Project Team [2013]
- National Fund for Scientific and Technological Development (FONDECYT) of the Chilean Government Commission for Scientific and Technological Development (CONICYT) [2012]
- Expeditions in Computing for the US National Science Foundation (NSF) [2008]
- Innovation Partnership Programme for Enterprise Ireland [2007]

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## COLLABORATIONS

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## Industry Collaborations

- “Eurapp” with Gigaom Research
  - First EC-funded study to size the EU app economy in terms of developer / support jobs and app sales / contract work revenues
  - Study was carried out with the research arm of major online technology publisher Gigaom, and was part of the EC’s Startup Europe initiative
  - Crowdsourcing was used to come up with solutions to the main bottlenecks encountered in the EU app economy
  - Final report was launched by European Commission VP Neelie Kroes in February 2014
- “SIOC” with Opera, OpenLink Software, Asemantics, etc.
  - Social data framework is one of the most widely used Semantic Web vocabularies on the Web
  - W3C Member Submission was made in collaboration with the above companies and a collection of academic partners
  - SIOC has been deployed on over 65,000 websites with 35 million data instances, including energy.gov, london.gov.uk, www.iq.harvard.edu, software.intel.com, and others that use the Drupal 7 CMS
  - SIOC is used in more than 100 software systems including Yahoo! SearchMonkey, Boeing inSite, Vodafone ZYB, OpenLink Virtuoso and Talis Engage
  - The words ‘SIOC’ and ‘semantic’ occur together in over **3,060** publications
- “S2E” with Cisco
  - Semantic mapping was created for core XMPP stanzas, physical presences (e.g. sensor devices, geolocation), social network profiles and desktop activities in RDF using existing standard vocabularies including SIOC, FOAF, SSN (and SPITFIRE), PIMO
  - Served as inspiration for the social semantic framework used in Cisco Quad, developed by Cisco R&D in Galway
- “Social Semantic Spreading Activation” with IBM
  - Small collaboration with IBM’s LanguageWare group that led to published work in the book “Why Context Matters”
  - Galaxy tool from IBM used spreading activation on social semantic data to cluster people and topics

## Academic Collaborations

- “SWAN/SIOC” with Massachusetts General Hospital / Harvard Medical School



With EC Vice President Neelie Kroes at the launch of the Eurapp Final Report

- Project to align the SWAN (Semantic Web Applications in Neuromedicine) and SIOC (Semantically Interlinked Online Communities) ontologies
  - Aimed to provide a complete model to represent scientific discourse in online communities at different levels of granularity (discourse elements and content items)
- “KEYSTONE” with Universitá degli Studi di Modena e Reggio Emilia and others
  - Co-authored this COST Action proposal on semantic keyword search on structured data, which grew to include 28 countries
  - Coordinated dissemination of this project’s results, working with Chair Francesco Guerra and the rest of the Executive Scientific Board
- “Social Media Archive of Ireland” with the Digital Repository of Ireland at the Royal Irish Academy
  - Project exploring the feasibility of creating an archive of social media-related activity that surrounds important national debates and events
  - Aims to facilitate the selection and preservation of social media from an Irish context, as well as looking at the legal and ethical issues surrounding this preservation
  - Should be useful to those looking at how current or historical events in a particular region are reflected in the combination of social and mainstream media
- “Semantic Tagging” with Seoul National University
  - Created a semantic model for tag clouds and a tag sharing / exchange service based on this model
- Various collaborators on interdisciplinary research papers, projects and proposals at NUI Galway
  - College of Arts, Social Sciences, & Celtic Studies:  
Dr. Tony Hall, Dr. Michael Hogan, Dr. Niall Ó Dochartaigh, Dr. Conchúr Ó Giollagáin, Dr. Denis O’Hora, Dr. Henrike Rau, Dr. Kiran Sarma
  - College of Business, Public Policy, & Law:  
Dr. Thomas Acton, Mr. Michael Campion, Dr. Johanna Clancy, Dr. Kieran Conboy, Dr. Christine Domegan, Dr. Natasha Evers, Dr. Eoin Whelan
  - College of Engineering & Informatics:  
Dr. Peter Corcoran, Dr. Kathryn Cormican, Dr. Edward Curry, Prof. Stefan Decker, Dr. Conor Hayes, Dr. Myra Lydon, Dr. Adegboyega Ojo, Prof. David O’Sullivan, Prof. Dietrich Rebholz-Schuhmann, Karen Young
  - College of Medicine, Nursing, & Health Sciences:  
Dr. Dympna Casey, Prof. Kathleen Murphy, Dr. Fabio Quondamatteo
  - College of Science:  
Prof. Afshin Samali, Prof. Charles Spillane

## Government Collaborations

- “HADA+PPO/PPM” with US Government Health and Human Services
  - Leveraged NUI Galway’s privacy preference management for linked data architectures, specifically for the area of health and hospital-related linked data
  - Deployed on a system that published Linked Government Data and required an access control framework to filter who could access specific data
  - Worked with the late George Thomas and his team in Washington DC on this project
  - This work resulted in a data.gov article<sup>1</sup> and subsequent press release
- “researchers.ie” with the Irish Research Council
  - Index of Irish-based researcher profiles, initially of students funded by IRCSET (later the Irish Research Council)

<sup>1</sup><http://www.data.gov/communities/node/116/blogs/20731>

- Demonstrated to Professor Paddy Cunningham, Ireland’s Chief Scientific Adviser to the Taoiseach, and other stakeholders at the end of the project
- “Galway Traffic Forum” with Galway City Council, etc.
  - Initiated efforts to create a social platform for this group to address transportation bottlenecks in Galway City
  - Part of the Galway Transport Forum and Better Transport for Galway Initiative
  - Worked with key stakeholders from the Galway City Council, Galway Chamber of Commerce, NUI Galway Civil Engineering, and Engineers Ireland

## POSTGRADUATE/STAFF SUPERVISION

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### **Current Supervisions**

- Rory Ward, PhD, Data Science Institute, University of Galway, 2021 – Present. Funder: CRT-AI (Science Foundation Ireland)

### **Current Co-Supervisions as Primary Supervisor**

- Hassan Khan, PhD, Data Science Institute, University of Galway, 2023 – Present. Co-Supervisor: Subhasis Thakur. Funder: Sustain (Science Foundation Ireland)

### **Current Co-Supervisions as Secondary Supervisor**

- Rishabh Chandaliya, PhD, Data Science Institute, University of Galway, 2021 – Present. Co-Supervisor: Martin Serrano. Funder: i3-Market (Horizon 2020)
- Anupa Shyamlal, PhD, Data Science Institute, University of Galway, 2020 – Present. Co-Supervisor: Subhasis Thakur. Funder: VistaMilk (Science Foundation Ireland)
- Atiya Usmani, PhD, Data Science Institute, University of Galway, 2018 – Present. Co-Supervisor: Edward Curry. Funder: Insight (Science Foundation Ireland)
- Yasar Khan, PhD, Data Science Institute, University of Galway, 2016 – Present. Co-Supervisor: Mathieu d’Aquin. Funder: Insight (Science Foundation Ireland)

### **Previous Supervisions**

- Dr. Sebastian Ruder, “Neural Transfer Learning for Natural Language Processing”, PhD, Data Science Institute, NUI Galway, 2015 – 2019. Examiners: Ivan Titov, Paul Buitelaar. Funder: Irish Research Council and AYLIEN Ltd.
- Dr. Guangyuan Piao, “Semantics-Aware User Modeling and Recommender Systems in Online Social Networks”, PhD, Data Science Institute, NUI Galway, 2014 – 2018. Examiners: Harith Alani, Dietrich Rebholz-Schuhmann. Funder: Insight (Science Foundation Ireland) and SAP
- Marie Boran, “Understanding Social Media Adoption in the Irish Scientific Community and its Relevance to Interpreting Altmetrics”, MApplSc, Insight Research Institute, NUI Galway, 2012 – 2015. Examiners: Tope Omitola, Conor Hayes. Funder: DERI/Insight (Science Foundation Ireland)
- Julie Letierce, “Understanding If and How the Web Improves Scientific Communication Between its Stakeholders”, MEngSc, DERI, NUI Galway, 2009 – 2012. Examiners: Padraig Murphy, Stefan Decker. Funder: DERI (Science Foundation Ireland)

- Dr. Smitashree Choudhury, “A Social Context-Enabled Framework for the Semantic Enrichment and Integration of Web Videos”, PhD, DERI, NUI Galway, 2006 – 2011. Examiners: Lora Aroyo, Stefan Decker. Funder: DERI (Science Foundation Ireland)
- Dr. Sheila Kinsella, “Augmenting Social Media Items with Metadata using Related Web Content”, PhD, DERI, NUI Galway, 2006 – 2011. Examiners: Fabien Gandon, Stefan Decker. Funder: DERI (Science Foundation Ireland)
- Gerard Cahill, “A Web Portal Powered by Social Network Data for Irish Researchers”, MEngSc, DERI, NUI Galway, 2009 – 2011. Examiners: Robin Teigland, Stefan Decker. Funder: Irish Research Council for Science, Engineering and Technology
- Dr. Uldis Bojars, “The SIOC MEthodology for Lightweight Ontology Development”, PhD, DERI, NUI Galway, 2004 – 2009. Examiners: Chris Bizer, Stefan Decker. Funder: DERI (Science Foundation Ireland)
- Dr. Hak-Lae Kim, “Leveraging a Semantic Framework for Augmenting Social Tagging Practices in Heterogeneous Content Sharing Platforms”, PhD, DERI, NUI Galway, 2006 – 2009. Examiners: Tom Gruber, Philippe Laublet, Stefan Decker. Funder: DERI (Science Foundation Ireland)

## Previous Co-Supervisions as Primary Supervisor

- Dr. Jefkine Kafunah, “Uncertainty-Aware Fault Diagnosis for Safety-Related Industrial Systems”, PhD, Data Science Institute, University of Galway, 2019 – 2023. Examiners: Yi Wang, Edward Curry. Co-Supervisor: Ali Intizar. Funder: Confirm and Insight (Science Foundation Ireland)
- Duc-Duy Nguyen, “On-Demand Decentralised Internet of Things Collectability Marketplace Using Crowdsensing”, MEngSc, Data Science Institute, University of Galway, 2017 – 2022. Examiners: Damon Berry, Edward Curry. Co-Supervisors: Mathieu d’Aquin, Alessandro Adamou, Ali Intizar. Funder: Confirm (Science Foundation Ireland)
- Dr. Bharath Sudharsan, PhD, Data Science Institute, NUI Galway, 2019 – 2022. Co-Supervisor: Ali Intizar. Examiners: Thomas Runkler, Edward Curry. Funder: Confirm (Science Foundation Ireland)
- Dr. Safina Showkat Ara, “Exploration Algorithms for Discoverable and Undiscoverable Decentralised Online Social Networks”, PhD, Data Science Institute, NUI Galway, 2015 – 2021. Co-Supervisor: Subhasis Thakur. Examiners: Antonio Moreno, Peter Corcoran. Funder: Insight (Science Foundation Ireland)
- Dr. Hoan Nguyen Mau Quoc, “A Scalable Spatio-temporal Query Processing for Linked Sensor Data”, PhD, Data Science Institute, NUI Galway, 2012 – 2019. Examiners: Axel Polleres, Juan Miguel Gómez Berbís, Mathieu d’Aquin. Co-Supervisor: Danh Le Phuoc. Funder: OpenIOT (FP7)
- Huy Le Van, “Near Real-Time Data Warehousing of Linked Streams”, MApplSc, Data Science Institute, NUI Galway, 2013 – 2018. Examiners: Antonio Jara, Mathieu d’Aquin. Co-Supervisors: Martin Serrano, Danh Le Phuoc. Funder: Fed4FIRE (FP7) and OpenIOT (FP7)
- Dr. Ted Vickey, “Just Tweet It: The Collection, Processing, Classification and Analysis of 2 Million Fitness Tweets”, PhD, Data Science Institute and Electrical & Electronic Engineering, NUI Galway, 2010 – 2018. Examiners: Alan Smeaton, Gearóid Ó Laighin. Co-Supervisors: Cedric Bryant, Kathleen Martin Ginis, Stephen Kinsella. Funder: Irish Research Council for Science, Engineering and Technology and American Council on Exercise
- Dr. Lukasz Porwol, “The Duality of e-Participation - A Model and Technical Infrastructure to Study and Harness Social Media-Based Participation”, PhD, Insight Research Institute, NUI Galway, 2010 – 2016. Co-Supervisor: Adegboyega Ojo. Examiners: Soon Ae Chun, Murray Scott. Funder: DERI/Insight (Science Foundation Ireland) and Cloud4SOA
- Dr. Myriam Leggieri, “Distributional Semantics for Sensors Linking and Selection”, PhD, Insight Research Institute, NUI Galway, 2010 – 2015. Examiners: Steffen Staab, Michael Schukat. Co-Supervisors: Brian Davis, Alexandre Passant. Funder: SPITFIRE
- Dr. Owen Sacco, “Trust-Aware Privacy Preferences for Information Sharing on the Web of Data”, PhD, DERI, NUI Galway, 2010 – 2014. Examiners: Mathieu d’Aquin, Stefan Decker. Co-Supervisors: Alexandre Passant, Alessandra Mileo. Funder: Irish Research Council for Science, Engineering and Technology and Cisco Systems

- Dr. Antonio Aguilar, “Design and Evaluation of an Automated Algorithm for Cardiac Risk Stratification”, PhD, Electrical & Electronic Engineering, NUI Galway, 2009 – 2013. Examiners: Ronney Panerai, Gerard Hurley. Co-Supervisors: Gearóid Ó Laighin, Fabio Quondamatteo. Funder: Ambient Assisted Living Joint Programme
- Dr. Fabrizio Orlandi, “Profiling User Interests on the Social Semantic Web”, PhD, DERI, NUI Galway, 2010 – 2014. Examiners: Fabien Gandon, Stefan Decker. Co-Supervisor: Alexandre Passant. Funder: Irish Research Council for Science, Engineering and Technology and Cisco Systems
- Dr. Jodi Schneider, “Enabling Reuse of Arguments and Opinions in Open Collaboration Systems”, PhD, DERI, NUI Galway, 2009 – 2013. Examiners: Simon Buckingham Shum, Siegfried Handschuh. Co-Supervisors: Alexandre Passant, Stefan Decker. Funder: DERI (Science Foundation Ireland)
- Ina O'Murchu, “Connecting Local Community Groups Using Semantic Technologies”, MSc, DERI, NUI Galway, 2004 – 2006. Examiners: Sung-Kook Han, Stefan Decker. Co-Supervisor: Stefan Decker. Funder: DERI (Science Foundation Ireland)

## Previous Co-Supervisions as Secondary Supervisor

- Dr. Abdul Wahid, “Leveraging Hybrid Deep Learning and Generative Modelling to Accurately Estimate the Remaining Useful Life of Mechanical Systems”, PhD, Data Science Institute, University of Galway, 2019 – 2024. Examiners: Hua-Liang Wei, Ihsan Ullah. Co-Supervisor: Ali Intizar. Funder: Confirm (Science Foundation Ireland)
- Dr. Jaleed Khan, “Neurosymbolic Visual Reasoning with Scene Graph Enrichment”, PhD, Data Science Institute, University of Galway, 2019 – 2024. Examiners: Joao Leite, Matthias Nickles. Co-Supervisor: Edward Curry. Funder: CRT-AI (Science Foundation Ireland)
- Dr. Muhammad Yahya, “Building Semantic Models and Knowledge Graphs for Intelligent Smart Manufacturing Applications”, PhD, Data Science Institute, University of Galway, 2019 – 2023. Examiners: Dimitrios Kyritsis, John McCrae. Co-Supervisor: Ali Intizar. Funder: Confirm (Science Foundation Ireland)
- Dr. Sweta Malik, “Peer-to-Peer Energy Trading in Microgrids: A Game-Theoretic Approach”, PhD, Data Science Institute, University of Galway, 2019 – 2023. Examiners: Zita Vale, Enda Barrett. Co-Supervisors: Subhasis Thakur, Maeve Duffy. Funder: CENTS (DTIF) and Insight (Science Foundation Ireland)
- Chan Le Van, “Optimisation of a Linked Stream Processing Engine”, MApplSc, Insight Research Institute, NUI Galway, 2013 – 2016. Examiners: Emanuele Della Valle, Michael Schukat. Co-Supervisors: Alessandra Mileo, Danh Le Phuoc, Muhammad Intizar Ali. Funder: GAMBAS (FP7)
- Dr. Shane Lowe, “The Design, Development and Validation of a Wearable Behaviour Monitor for the Autonomous Assessment of the Functional Health of Older Adults”, PhD, Electrical & Electronic Engineering, NUI Galway, 2009 – 2013. Examiners: Rose Anne Kenny, Maeve Duffy. Co-Supervisor: Gearóid Ó Laighin. Funder: Irish Research Council for Science, Engineering and Technology and Georgia Tech Ireland
- Alan Dunne, “Development of a Touchscreen System for Upper Extremity Rehabilitation of Children with Cerebral Palsy”, MEngSc, Electrical & Electronic Engineering, NUI Galway, 2009 – 2011. Examiners: Eugene Coyle, Gearóid Ó Laighin. Co-Supervisor: Gearóid Ó Laighin. Funder: Irish Research Council for Science, Engineering and Technology and Georgia Tech Ireland

## Previous Supervisions of Minor Projects

- Richard Hunt, “Using QR Codes to Improve the Touristic Experience”, MA in Digital Media, Huston School of Film and Digital Media, NUI Galway, 2013 – 2014
- Mary Murphy, “A Study of Social Inclusion and the Use of Technology in Encouraging Interaction”, MA in Digital Media, Huston School of Film and Digital Media, NUI Galway, 2010 – 2011
- Martin Fitzgerald, “Creating a Community-Based IPTV Channel”, MA in Digital Media, Huston School of Film and Digital Media, NUI Galway, 2006 – 2007

## **Current Research Fellows**

- Dr. Subhasis Thakur
- Dr. Priyanka Verma

## **Current Postdoctoral Researchers/Research Associates**

- Dr. Nitesh Bharot
- Dr. Mirco Soderi
- Dr. Lan Yang

## **Current Research Assistants**

- None

## **Previous Postdoctoral Researchers/Research Associates**

- Dr. Kosala Yapa Bandara
- Dr. Ronan Cummins
- Dr. Maciej Dabrowski
- Dr. Aidan Finn
- Dr. Conor Hayes
- Dr. Bahareh Heravi
- Dr. Shahid Hussain
- Dr. Jeff Morgan
- Gabriel Mullarkey
- Dr. Alexandre Passant
- Dr. Saurabh Shukla

## **Previous Research Assistants**

- Arnaud Daron
- Vignesh Kamath
- Kamalesh Kanakaraj
- Ajay Nair
- Fionntán O'Donnell

## **Visiting Students and Professors**

- Filippo Berto, University of Milan, Italy
- Nakul Mehta, Dr B R Ambedkar National Institute of Technology, Jalandhar, India
- Federica Rollo, University of Modena and Reggio Emilia, Italy
- Julien Paganelle, L'École d'Ingénieurs du Centre des Études Supérieures Industrielles de Pau, France
- Charles-Adrien Beneteau, L'École d'Ingénieurs du Centre des Études Supérieures Industrielles de Pau, France
- Giustina Ciccarello, Roma Tre University, Italy
- Alessia Antelmi, University of Salerno, Italy
- Karen Young, NUI Galway, Ireland
- Matthieu Rebouh, L'École d'Ingénieurs du Centre des Études Supérieures Industrielles de Pau, France
- Nitish Mittal, Netaji Subhas Institute of Technology, India

- Ayushi Gupta, Indira Gandhi Delhi Technical University for Women, India
- Vanya Sharma, Indira Gandhi Delhi Technical University for Women, India
- Karthik Aluru, Université Paris-Sud XI Orsay, France
- Roberto Covello, University of Calabria, Italy
- Tara Donoghue, University of Limerick, Ireland
- Sergio Fernández, Fundación CTIC, Spain
- Tuukka Hastrup, University of Jyväskylä, Finland
- Gandhi Hernandez, Universidad Carlos III de Madrid, Spain
- Christian Hunsen, University of Göttingen, Germany
- Jung Jin-Uk, Seoul National University, Korea
- Prof. Jason Jung, Yeungnam University, Korea
- Tiago Marino, Universidade Federal do Rio de Janeiro, Brazil
- Mateusz Marmołowski, Technical University of Gdańsk, Poland
- Yuki Matsuoka, National Institute of Informatics, Japan
- Thomas Schandl, Vienna University of Economics and Business, Austria
- Daniel Villanueva, Universidad Carlos III de Madrid, Spain
- Sungkwon Yang, Seoul National University, Korea

### **Current TechInnovate Lecturers**

- Prof. W. Bernard Carlson

### **Previous TechInnovate Lecturers**

- Brendan Allen
- Dr. Edelle Doherty
- Dr. Paul Flynn
- Dr. Samir Vinchurkar

### **Previous TechInnovate Fellows**

- Capt. Neil Curran
- Ronan Boyle
- Leon Butler
- Dr. Paul Flynn
- Niamh Lynch
- Jane O'Connor
- Gregory Payne
- Kelsey Roberts
- Ciara Shields

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### **POSTGRADUATE COMMITTEES**

## **External Examiner**

- Thaís Quintas de Arcanjo, “Sending Cryptocurrency Over Mobile Applications”, MSc, Dublin City University, 2019. Supervisor: Ray Walshe. Examiner: John G. Breslin.
- Dr. Saud Aljaloud, “An Investigation into the Performance of Regular Expressions within the SPARQL Query Language”, PhD, University of Southampton, 2018. Supervisor: Nicholas Gibbins. Examiner: John G. Breslin.
- Dr. Zide Meng, “Temporal and Semantic Analysis of Richly Typed Social Networks from User-Generated Content Sites on the Web”, PhD, Université Nice Sophia Antipolis, 2016. Supervisors: Fabien Gandon, Catherine Faron-Zucker. Examiners: John G. Breslin, Frederique Laforest, Frederic Precioso.
- Dr. Richard Hosking, “Arguing over Copyright: An eScience Tool for Understanding and Reasoning over Copyright in Digital Scholarship”, PhD, University of Auckland, 2016. Supervisor: Mark Gahegan. Examiners: John G. Breslin, David Nichols.
- Dr. Gregoire Burel, “Community and Thread Methods for Identifying Best Answers in Online Question Answering Communities”, PhD, Open University, 2015. Supervisor: Harith Alani. Examiners: John G. Breslin, Stefan Rueger.
- Dr. Carlos Vinent, “Automatic, Unsupervised and Domain-Independent System for Extracting Features and Topics from Documents and Microblogs”, PhD, Universitat Rovira i Virgili, 2015. Supervisor: Antonio Moreno. Examiner: John G. Breslin.
- Dr. Nicolas Marie, “Linked Data-Based Exploratory Search”, PhD, Université Nice Sophia Antipolis, 2014. Supervisors: Myriam Ribiére, Fabien Gandon. Examiners: John G. Breslin, Harald Sack, Guy Melançon.
- Dr. Hannes Ebner, “Supporting Loose Forms of Collaboration: Using Linked Data to Realize an Architecture for Collective Knowledge Construction”, PhD, KTH Royal Institute of Technology, 2014. Supervisors: Marko Turpeinen and Ambjörn Naeve. Examiners: John G. Breslin (Opponent), Teemu Leinonen, Åsa Smedberg, Marcelo Milrad.
- Andreas Textor, “Semi-Automatic Management of Knowledge Bases Using Formal Ontologies”, MSc, Cork Institute of Technology and University of Applied Sciences in Wiesbaden, 2011. Supervisors: Jeanne Stynes, Reinhold Kröger. Examiner: John G. Breslin.

## **Internal Examiner**

- Rajdeep Sarkar, “Exploring Structured and Unstructured Knowledge Sources for Developing Domain-Specific Chatbots”, PhD, 2023. Supervisor: John McCrae. Examiners: Ondřej Dušek, John G. Breslin.
- Meshari Alshammari, “Bidirectional Inverter with Improved Light Load Efficiency for Integration in a Hybrid AC/DC Distribution System in Buildings”, PhD, 2023. Supervisor: Maeve Duffy. Examiners: Esteban Sanchis, John G. Breslin.
- Dr. Bassim Mahbooba, “Enhancing Trust in Detecting Security Threats using Machine Learning Approaches and Its Relevance in Internet of Things Scenarios”, PhD, 2022. Supervisor: Martin Serrano. Examiners: Antonio Jara, John G. Breslin.
- Dr. Maman Ahmad Khan, “Enhancing the Situational Awareness of the Active Distribution Network”, PhD, 2022. Supervisor: Barry Hayes. Examiners: Marco Pau, John G. Breslin.
- Dr. Tarek Zaarour, “Adaptive Knowledge Extraction and Loose Semantic Coupling in Multimedia Publish/Subscribe Overlay Networks”, PhD, 2022. Supervisor: Edward Curry. Examiners: Boris Koldehofe, John G. Breslin.
- Dr. Asma Khatoon, “Design and Development of Smart Contract System for Blockchain Based Applications”, PhD, 2021. Supervisor: Peter Corcoran. Examiners: Anirban Sengupta, John G. Breslin.
- Dr. Heike Vornhagen, “Supporting Sense-Making Experiences of City Dashboards: A Design Solution”, PhD, 2021. Supervisors: Karen Young, Brian Davis, Manel Zarrouk. Examiners: Rob Brennan, John G. Breslin.
- Dr. Qaiser Mahmood, “Efficient Path Query Approaches Over Distributed Linked Data”, PhD, 2021. Supervisor: Mathieu d’Aquin. Examiners: Pascal Molli, Thomas Riechert, John G. Breslin.

- Felipe Arruda Pontes, “Energy- and Speed-Aware Self-Adaptive Scheduler for Deep Learning Models for Multimedia Event Processing on the Cloud-Edge”, MApplSc, 2021. Supervisor: Edward Curry. Examiners: María Pérez-Hernández, John G. Breslin.
- Dr. Mohan Timilsina, “Graph-Based Diffusion Methods for Node Classification and Link Prediction”, PhD, 2020. Supervisor: Mathieu d’Aquin. Examiners: Nicola Perra, John G. Breslin.
- Dr. Lan Yang, “Ontology Learning for Systems Engineering Body of Knowledge”, PhD, 2020. Supervisor: Kathryn Cormican. Examiners: Cecilia Haskins, John G. Breslin.
- Dr. Danielly Ferriera Oliveira DePaula, “Design Thinking Capability Model: A Management Framework to Support Design Thinking Implementation”, PhD, 2019. Supervisor: Kathryn Cormican. Examiners: Juliana Hsuan, John G. Breslin.
- Durre Zehra, “Linked Open Data for Cancer Genomics”, MSc, 2019. Supervisors: Ratnesh Sahay, Mathieu d’Aquin. Examiners: Paris Vogazianos, John G. Breslin.
- Dr. Hugo Hromic, “Detecting, Defining and Interpreting Communities in Fast Moving Social Media Platforms”, PhD, 2019. Supervisor: Conor Hayes. Examiners: Miriam Fernandez, John G. Breslin.
- Dr. Zia Ush Shamszaman, “Enabling Smart Societies Using Social Internet of Things”, PhD, 2019. Supervisor: Ali Intizar. Examiners: Giancarlo Fortino, John G. Breslin.
- Dr. Shane Tuohy, “Hybrid Simulation of Ethernet Based Intra-Vehicle Networks”, PhD, 2017. Supervisors: Liam Kilmartin, Edward Jones, Martin Glavin. Examiners: Nicolas Navet, John G. Breslin.
- Dr. Nur Rakhmawati, “Evaluating and Benchmarking the Performance of Federated SPARQL Endpoints and Their Partitioning using Selected Metrics”, PhD, 2016. Supervisors: Stefan Decker, Dietrich Rebholz-Schuhmann. Examiners: Sören Auer, John G. Breslin.
- Dr. Darren Craven, “Low Power Strategies for Signal Compression in Ambulatory Healthcare”, PhD, 2016. Supervisors: Edward Jones, Martin Glavin, Liam Kilmartin. Examiners: Jonathon Chambers, John G. Breslin.
- Dr. Umair Ul Hassan, “Adaptive Task Assignment in Spatial Crowdsourcing”, PhD, 2016. Supervisor: Edward Curry. Examiners: Seng Loke, John G. Breslin.
- Dr. Shejin Thavalengal, “Contributions to Practical Iris Biometrics on Smartphones”, PhD, 2016. Supervisor: Peter Corcoran. Examiners: Kevin Bowyer, John G. Breslin.
- Dr. Souleiman Hasan, “Loose Coupling in Heterogeneous Event-Based Systems via Approximate Semantic Matching and Dynamic Enrichment”, PhD, 2015. Supervisor: Edward Curry. Examiners: Gordon Blair, John G. Breslin.
- Dr. Muhammad Qureshi, “Application and Analysis of Structured Data to Problems in Information Retrieval”, PhD, 2015. Supervisor: Colm O’Riordan. Examiners: Joemon Jose, John G. Breslin.
- Dr. Jun Zhang, “High Frequency Resonant Converter with Planar Magnetics”, PhD, 2015. Supervisors: Gerard Hurley, Maeve Duffy. Examiners: Jesus Acero, John G. Breslin.
- Dr. Sabrina Kirrane, “Linked Data with Access Control”, PhD, 2014. Supervisors: Alessandra Mileo, Stefan Decker. Examiners: Tim Finin, John G. Breslin.
- Dr. Muhammad Aftab Iqbal, “Large Scale Data Integration of OSS Repositories for Automated Soft and Technical Factors Assessment”, PhD, 2014. Supervisors: Michael Hausenblas, Stefan Decker. Examiners: Jeff Pan, Asunción Gómez Pérez, John G. Breslin.
- Dr. Benjamin Heitmann, “An Open Framework for Multi-Source, Cross-Domain Personalisation with Semantic Interest Graphs”, PhD, 2014. Supervisor: Conor Hayes. Examiners: Tommaso Dinoia, John G. Breslin.
- Sonya Abbas, “Reference Architecture and Implementation of a Linked Geospatial Data Infrastructure”, MSc, 2014. Supervisor: Adegboyega Ojo. Examiners: Matteo Palmonari, John G. Breslin.
- Divanshu Gupta, “Scalable Facet Synthesis for Relational Faceted Navigation System”, MSc, 2013. Supervisors: Stefan Decker, Giovanni Tummarello, Renaud Delbru. Examiners: Fabrizio Silvestri, John G. Breslin.
- Sajin Kumar, “A Framework to Publish Tweets in Linked Data Web”, MSc, 2013. Supervisors: Stefan Decker, Adegboyega Ojo. Examiners: Marijn Janssen, John G. Breslin.
- Mengjiao Wang, “Information Fusion Methods for the Automatic Creation of User Lists in Microblogs”, MSc, 2013. Supervisor: Conor Hayes. Examiners: Matthew Rowe, John G. Breslin.
- Dr. Lei Shu, 2010, “Streaming Data Gathering in Wireless Multimedia Sensor Networks”, PhD, 2010. Supervisor: Manfred Hauswirth. Examiners: Takahiro Hara, John G. Breslin.

- Dr. Andreas Harth, “Exploring Linked Data on Web Scale”, PhD, 2010. Supervisor: Stefan Decker. Examiners: Karl Aberer, John G. Breslin.
- Stephane Corlosquet, “Bootstrapping the Web of Data with Drupal”, MSc, 2009. Supervisor: Axel Polleres. Examiners: Tim Clark, John G. Breslin.

## Viva Chair

- Dr. Faisal Khan, “Contributions to Neural Network Models and Training Datasets for Facial Depth Estimation from a Single Image”, PhD, 2023. Supervisor: Peter Corcoran. Examiners: Anil Kokaram, Michael Schukat.
- Dr. Muhammad Ali Farooq, “Evaluations of Thermal Imaging Technology for Automotive Use Cases”, PhD, 2022. Supervisor: Peter Corcoran. Examiners: Saraju Mohanty, Martin O’Halloran.
- Dr. Mona Isazad Mashinchi, “Dashboards for Supporting Cancer Care in Value-Based Healthcare Context: Information Needs, Design Principles and Acceptance”, PhD, 2021. Supervisors: Karen Young, Adegboyega Ojo, Frank Sullivan. Examiners: Elsa Estevez, Murray Scott.
- Dr. Alokkumar Jha, “Semantic Knowledge Graphs to Understand Tumor Evolution and Predict Disease Survival in Cancer”, PhD, 2019. Supervisors: Mathieu d’Aquin, Ratnesh Sahay. Examiners: Maria Esther Vidal, John Newell.
- Dr. Laleh Kazemzadeh, “Identification of Regional Interaction Patterns in Regulatory Networks”, PhD, 2017. Supervisor: Frank Barry. Examiners: Michael Schröder, Mary Murphy.
- Dr. Mihael Arcan, “Multilingual Enhancement of Domain-Specific Knowledge”, PhD, 2016. Supervisor: Paul Buitelaar. Examiners: Josef van Genabith, Dietrich Rebholz-Schuhmann.
- Dr. Andre Freitas, “Schema-Agnostic Queries for Large-Schema Databases: A Distributional Semantics Approach”, PhD, 2014. Supervisor: Edward Curry. Examiners: Christopher Brewster, Paul Buitelaar.
- Dr. Sanaullah Nazir, “Data Availability Analysis in P2P Networks”, PhD, 2012. Supervisor: Manfred Hauswirth. Examiners: Anwitaman Datta, Siegfried Handschuh.
- Dr. Ratnesh Nandan Sahay, “An Ontological Framework for Interoperability of Health Level Seven (HL7) Applications: The PPEPR Methodology and System”, PhD, 2012. Supervisors: Axel Polleres, Ronan Fox, Manfred Hauswirth. Examiners: Jeff Pan, Alberto Fernández Gil, Stefan Decker.
- Dr. Peyman Nasirifard, “Advances in Understanding, Mining and Using People Tags”, PhD, 2012. Supervisor: Conor Hayes. Examiners: Robert Engels, Stefan Decker.
- Dr. Vinh Tuan Thai, “Visual Exploration of Text Collections”, PhD, 2012. Supervisor: Siegfried Handschuh. Examiners: Enrico Motta, Stefan Decker.

## Confirmation Examination Committees

- Paul Stacey, “Interoperable Knowledge Engineering Techniques for Ultra-Constrained Heterogeneous Geo-Observational Sensor Systems”, Dublin Institute of Technology. Supervisor: Damon Berry. Examiners: John G. Breslin.

## Graduate Research Committees

- College of Arts, Social Sciences, & Celtic Studies
  - School of Education: Annette Cosgrove
  - School of Political Science & Sociology: Mike Hynes
- College of Business, Public Policy, & Law
  - Discipline of Business Information Systems, School of Business & Economics: Colin Callinan
- College of Science & Engineering:

- Discipline of Electrical & Electronic Engineering: Andrei Barcovschi, Kevin Farrell, Seyedrooholah Hosseini, Jaroslaw Jakubowicz, Asma Khatoon, Paul Kiely, Fearghal Kineavy, Tudor Nedelcu, David Newell, Mostafa Rezaeimozafar, Shejin Thavalengal, Tirui Wu, Jun Zhang, Wei Zhao
- Discipline of Information Technology: Stephen Bradshaw
- Discipline of Mechanical Engineering (Industrial Engineering): Fabiola Cortes Chavez, Neda Makrooni, Sagar Shinde
- Data Science Institute: Salma Abdulaziz, Alex Acquier, Erik Aumayr, Andrea Barraza, Milena Caires, Sarah Carter, Lin Clark, Stephane Corlosquet, Tobias Daudert, Feng Gao, Benjamin Heitmann, Aidan Hogan, Maciej Janowski, Yasar Khan, Waqas Khawaja, Sabrina Kirrane, Julie Letierce, Bassim Mahbooba, Mona Mashinchi, Qaiser Mahmood, Duc-Duy Nguyen, Bianca Pereira, Thu-Le Pham, Felipe Arruda Pontes, Narumol Prangnawarat, Nur Aini Rakhmawati, Hazem Safwat, Zia Ush Shamszaman, Annanda Sousa, Atiya Usmani, Piyush Yadav, Tarek Zaarour, Omnia Zayed, Durre Zehra
- Plant & AgriBiosciences Research Centre, School of Natural Sciences: Zewdy Gebremedhin

### INVITED TALKS, TUTORIALS AND PANELS

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Invited talk at Stanford University in 2013

### Invited Talks

I have given invited talks on my research, teaching and community activities at various prestigious locations including Stanford University, University of Chile, US Library of Congress, University of Maryland Baltimore County, Applied Physics Laboratory at Johns Hopkins University, New York Times, Tsinghua University, and Open University.

- “Cognitive Digital Twins for Industry 4.0”, Keynote Talk at the Huawei Global Software Technology Summit, Dublin, 2nd June 2023.
- “Behind Old Ireland in Colour”, Invited Talk for the Public Record Office of Northern Ireland [Online], 31st March 2023.

- “Behind Old Ireland in Colour”, Invited Talk at the University College Cork Computer Science Seminar Series [Online], 10th February 2023.
- “Bringing the Past Back to Life: The Science and Engineering Behind Old Ireland in Colour”, Invited Talk to Engineers Ireland Thomond Region [Online], 19th January 2023. <https://www.youtube.com/watch?v=ZBN3vq55nHc>
- “Behind Old Ireland in Colour”, Invited Talk to the CollabArchive Project, Public Record Office of Northern Ireland [Online], 16th November 2022.
- “The OntoCommons Ecosystem (OCES) and Ontology Communities”, Keynote Talk to the OntoCommons Demo and Use Case Workshop, Stuttgart, Germany [Hybrid], 8th November 2022.
- “Old Ireland in Colour” (with Sarah-Anne Buckley), Invited Talk to Glen Eira Libraries, Melbourne, Australia [Online], 26th May 2022.
- “Teaching Researchers and Innovators How to Create Startups”, Invited Talk to the Trinity College Dublin (TCD) Postgraduate Certificate in Innovation and Entrepreneurship [Online], 12th May 2022.
- “Teaching Researchers and Innovators How to Create Startups”, Keynote Talk at the South East Technological University (SETU) Research Postgraduate Conference 2022 [Online], 6th May 2022.
- “Old Ireland in Colour 2” (with Sarah-Anne Buckley), Manchester and Lancashire Family History Society [Online], 2nd December 2021.
- “Old Ireland in Colour 2” (with Sarah-Anne Buckley), Irish American Heritage Museum [Online], 24th November 2021. <https://www.youtube.com/watch?v=A0svI4BTGNQ>
- “Old Ireland in Colour 2” (with Sarah-Anne Buckley), Museum of Childhood Ireland [Online], 27th October 2021.
- “Old Ireland in Colour 2” (with Sarah-Anne Buckley), Kildare Readers Festival [Online], 16th October 2021.
- “Artificial Intelligence for Image/Video Colourisation and Enhancement”, NUI Galway KPMG Summer School [Online], 14th June 2021.
- “Book Talk: Old Ireland in Colour” (with Sarah-Anne Buckley), Maine Irish Heritage Center [Online], 6th June 2021.
- “Let’s C in JCT: Our History in Colour”, Junior Cycle for Teachers (JCT) Support Service [Online], 28th May 2021.
- “Old Ireland in Colour”, Trasna na Tíre [Online], 7th December 2020. <https://www.trasnanatire.ie/?wix-vod-video-id=i7M8YMCUFUw&wix-vod-comp-id=comp-kb431v45>
- “Smartups”, Invited Talk to Údarás na Gaeltachta and Junior Achievement Ireland’s Company Programme National Finalists, Áras na Gaeilge, NUI Galway, 2nd April 2019.
- “Creativity, Innovation and Entrepreneurship in Higher Education”, Invited Talk at CELT, NUI Galway, 30th January 2019.
- “Who Is Your Customer?”, Invited Talk to Irish SAP.iO Accelerate Participants, The PorterShed, Galway, 23rd November 2018.
- “Building the Galway Startup Ecosystem”, Invited Talk to the SAP.iO Venture Partners Team, Potsdam, Germany, 24th October 2018.
- “Go to Market and COCA”, Invited Talk to SAP.iO Accelerate Teams, Potsdam, Germany, 24th October 2018.
- “Technology Innovation”, Invited Talks to the Enterprise Ireland High Potential Start-Up Team, Mervue, Galway and East Point, Dublin, 12th June 2018 and 18th September 2018.
- “Accelerating Regional Entrepreneurship”, Invited Talk to the Enterprise Subgroup of the Atlantic Economic Corridor Taskforce, Mayo County Council, Claremorris, 30th May 2018.
- “TRICS: Teaching Researchers and Innovators How to Create Startups”, Keynote Talk at the 14th Annual Conference of the International Society for Design and Development in Education (ISDDE 2018), Galway, 29th May 2018. <https://www.slideshare.net/Cloud/trics-teaching-researchers-and-innovators>
- “Collaborative Leadership to Increase the Northern & Western Region’s Innovation and Entrepreneurship Capacity”, Northern & Western Region Masterclass in Collaborative Leadership, The Glasshouse Hotel, Sligo, 25th May 2018. <https://www.slideshare.net/Cloud/collaborative-leadership-to-increase-t>
- “Innovation Districts and Innovation Hubs”, Wexford Town Innovation District, The Gallery at Green Acres, Wexford, 3rd May 2018.

- “Disciplined Entrepreneurship”, Course on Applying Innovation, University of Minho, Portugal, 23rd March 2018.
- “Imeachtaí Nuálaíochta agus Fiontraíochta san Ollscoil agus san Iarthar”, Roinn Fiontraíochta agus Fostaíochta, Údarás na Gaeltachta, Na Forbacha, 14ú Mí na Nollag 2017.
- “Entrepreneurship is in Our DNA”, NWRA/WDC One Region One Vision Annual Conference 2017, 28th October 2017. <https://www.slideshare.net/Cloud/entrepreneurship-is-in-our-dna>
- “What Can You Do for Your Customer?”, Invited Talk to the BonBillo Social Impact Incubator, Impact Hub, Boston, 14th October 2017.
- “Innovation Ecosystems”, Invited Talk to the College of Medicine, Nursing & Health Sciences, NUI Galway, 26th September 2017.
- “Disciplined mHealth Entrepreneurship, Invited Talk at the mHealth Conference 2017, NUI Galway, 15th June 2017. <http://www.slideshare.net/Cloud/disciplined-mhealth-entrepreneurship>
- “Innovation Districts and Innovation Hubs”, Innovation Hubs Briefing to TDs and Senators, Leinster House, Dublin, 1st February 2017. <https://www.slideshare.net/Cloud/innovation-districts-and-innovation-hubs>
- “Innovation and Entrepreneurship: Tips and Tricks”, Invited Talk to IRUPA / Connacht Rugby Players, The PorterShed, Galway, 2nd November 2016. <https://www.slideshare.net/Cloud/innovation-and-entrepreneurship-tips-and-tricks>
- “Growing Galway’s Startup Community”, Invited Talk to the Social Sciences Research Centre Conference 2016, ILAS, NUI Galway, 20th October 2016. <https://www.slideshare.net/Cloud/growing-galways-startup-community>
- “Startup Community: What Galway Can Do Next”, Bank of Ireland Workbench Launch, Bank of Ireland, Mainguard Street, Galway, 12th August 2015. <https://www.slideshare.net/Cloud/startup-community-what-galway-can-do-next>
- “Searching for Startups”, Keynote Talk at the 5th KEYSTONE MC Meeting and Winter WG Meeting, Aix-Marseille Université, Marseille, France, 23rd February 2016. <https://www.slideshare.net/Cloud/searching-for-startups>
- “Adding More Semantics to the Social Web”, Invited Talk to the Semantic Web and Ontology Special Interest Group, National Institute of Informatics, Tokyo, Japan, 10th July 2015. <https://www.slideshare.net/Cloud/adding-more-semantics-to-the-social-web>
- “Communities and Tech: Build Which and What Will Come?”, Invited Talk at Techgate, Junior Chamber International Galway, Galway, Ireland, 3rd December 2014. <https://www.slideshare.net/Cloud/communities-and-tech-build-which-and-what-will-come>
- “Data Analytics and Industry-Academic Partnerships: An Irish Perspective”, Keynote Talk at the Business Intelligence Workshop (BIWO 2014), Santiago, Chile, 14th August 2014. <https://www.slideshare.net/Cloud/data-analytics-and-industryacademic-partnerships-an-irish-perspective-3798>
- “Eurapp”, Invited Talk at Workshop on Tech Entrepreneurs: The Path to Success, Digital Agenda Assembly 2013, NDRC, Dublin, Ireland, 20 June 2013.
- “Innovation Café Talk”, Invited Talk at the TCD-UCD-QUB Joint Graduate Certificate Lunchtime Speaker Series, The Innovation Academy, Dublin, Ireland, 17th April 2013. <https://www.slideshare.net/Cloud/john-breslin-at-the-innovation-academy>
- “Engaging Citizens in Research and Innovation: Opportunities and Challenges Afforded by Social Media”, Invited Talk at the European Intersectoral Summit on Research and Innovation, Trinity College Dublin, Ireland, 26th February 2013. <https://www.slideshare.net/Cloud/engaging-citizens-in-research-and-innovation>
- “dW/dI: How a Small Country Like Ireland Can Make a Big Difference to the World (and a Bit About a ‘Professor Entrepreneur’)”, Invited Talk at the European Entrepreneurship and Innovation Thought Leaders Seminar Series, Stanford University, USA, January 2013. <https://www.slideshare.net/Cloud/europepreneurs>
  - Slides from this talk have been viewed over 8,000 times, and also generated significant interest on social media
- “Social Semantic Web”, Invited Talk at Innovation at the Verge: Computational Models of Physical / Virtual Space Interaction, Lorentz Center, Leiden, The Netherlands, 18th December 2012. <https://www.slideshare.net/Cloud/the-social-semantic-web-15712355>
- “Social Media for Charities”, Invited Talk at Fundraising Ireland, Galway, Ireland, September 2012. <https://www.slideshare.net/Cloud/social-media-for-charities-14332460>

- “Breaking Down Walls in Enterprise with Social Semantics”, Keynote Talk at the International Workshop on New Trends in Service Oriented Architecture for massive Knowledge processing in Modern Enterprise (SOA-KME 2012) at CISIS 2012, Palermo, Italy, July 2012. <https://www.slideshare.net/Cloud/breaking-down-walls-in-enterprise-with-social-semantics>
- “Lots of SIOC Data: Now What?”, Invited Talk at the IFIP Working Group 12.7 on Social Networking Semantics and Collective Intelligence, VU University, Amsterdam, 26th April 2012. <https://www.slideshare.net/Cloud/20110426a-amsterdam-ifipsnsci>
- “Social Media: Making It Work for You”, Invited Talk at the Irish Times Innovation Roadshow, Galway, 29th November 2011. <https://www.slideshare.net/Cloud/social-media-making-it-work-for-you-10381200>
- “Dealing with Information Overload”, Invited Talk at Mayo 2040, Castlebar, Ireland, November 2011. <https://www.slideshare.net/Cloud/dealing-with-information-overload-10202433>
- “SIOC Tactics”, Invited Talk at the Web Science Summer School, Galway, Ireland, July 2011. <https://www.slideshare.net/Cloud/sioc-tactics-gaining-acceptance-for-a-semantic-web-vocabulary-on-the-web>
- “Social Media: Making It Work for You”, Invited Talk at the HPSU Skillnet Turning Online Networking into Real Business Symposium, Galway, 11th November 2010. <https://www.slideshare.net/Cloud/social-media-making-it-work-for-you-5740048>
- “The SIOC Project”, Invited Talk at the Federated Social Web Summit, Portland, Oregon, July 2010. <https://www.slideshare.net/Cloud/sioc>
- “The Social Semantic Web”, Invited Talk at New York Times R&D, June 2010. <https://www.slideshare.net/Cloud/the-social-semantic-web-new-york-times-edition-4650198>
- “The Social Semantic Web”, Invited Talk at University of Maryland Baltimore County, Maryland, USA, June 2010.
- “The Social Semantic Web”, Invited Talk at the New York Semantic Web Meetup, May 2010. <https://www.slideshare.net/Cloud/another-social-semantic-web>
- “The Social Semantic Web”, Invited Talk at the Washington Semantic Web Meetup, Library of Congress, Washington DC, USA, May 2010. <https://www.slideshare.net/Cloud/a-social-semantic-web>
- “Social Media and the Semantic Web”, Invited Talk to Business School Students, DCU, Dublin, Ireland, 19th February 2010. <https://www.slideshare.net/Cloud/social-media-and-the-semantic-web>
- “The Social Semantic Web”, Invited Talk at Survival, Evolution or Extinction? Shaping Our Futures, British Librarians Group (BBSLG), Dublin, Ireland, July 2009. <https://www.slideshare.net/BLAlib/shaping-our-futures-the-social-semantic-web>
- “The Social Semantic Web”, Invited Talk at the ERCIM Workshop, Dublin, Ireland, June 2009.
- “Enhancing the Web Experience: DERI, Social Semantic Web and SIOC”, Invited Talk at the Engineers Ireland Annual Conference, Tullamore, 24th April 2009. <https://www.slideshare.net/Cloud/enhancing-the-web-experience>
- “The Social Semantic Web”, Invited Talk during Library Ireland Week, University of Limerick, March 2009, and Invited Talk at IUIISC, Galway, 5th March 2009. <https://www.slideshare.net/Cloud/the-social-semantic-web-1328494>
- “Web 2.0”, Invited Talk to Engineers Ireland Thomond Region, Limerick Institute of Technology, 2nd February 2009.
- “The Social Semantic Web”, Invited Talk to the IET Ireland Network and NUI Galway CompSoc, DERI, NUI Galway, 27th November 2008. <https://www.slideshare.net/Cloud/the-social-semantic-web-prepared-by-deri-nui-galway>
- “Alumni Social Networks”, Invited Talk to the NUI Galway Alumni Board, Hodson Bay Hotel, 7th November 2008.
- “Learning via the Social Web”, Invited Talks at the CELT Seminar Series, NUI Galway, 27th February and 30th April 2008. <https://www.slideshare.net/Cloud/learning-and-the-social-web-379318>
- “Enabling Networked Knowledge”, Invited Talk at the Digital Government / Web and Software Research Centre, Tsinghua University, Beijing, China, April 2008.
- “Emerging Social Networking Technologies and Possible Implications for Libraries”, Invited Talk at the LIR HEAnet Annual Seminar, Dublin, April 2008. <http://lirgroup.heanet.ie/sites/default/files/Seminars/2008/JohnBreslin.ppt>
- “The Social Semantic Web”, Invited Talk at the Irish Web Technologies Conference (IWTC 2008), Dublin, March 2008.

- “Social Networking and Collaboration Tools for Enterprise 2.0”, Invited Talk at the Fidelity Investments, TerraNua and ITAG Conference on Enriching the Internet Experience, Galway, October 2007. <https://www.slideshare.net/Cloud/social-networking-and-collaboration-tools-for-enterprise-20>
- “Finding Experts Using Internet-Based Discussions in Online Communities and Associated Social Networks”, Invited Talk at the ExpertFinder Workshop, Knowledge Web Assembly, Berlin, Germany, January 2007. <https://www.slideshare.net/Cloud/finding-experts-using-internetbased-discussions-in-on>
- “Semantic Web 2.0: Creating Social Semantic Information Spaces”, Invited Talk to the Technology Transfer Initiative (TTI) and ITAG, 30th November 2006. <https://www.slideshare.net/Cloud/semantic-web-20-creating-social-semantic-information-spaces>
- “Wiki Ireland”, Invited Talk to the Galway Heritage Forum, Galway, 12th July 2006. <https://www.slideshare.net/Cloud/20060712a>
- “Blogs and Podcasting”, Invited Talk to Masters in E-Marketing Students, DCU, Dublin, Ireland, 13th March 2006. <https://www.slideshare.net/Cloud/blogs-and-podcasting-378607>
- “Syndication and RSS”, Invited Talk at the Blogging for Business Event, IT@Cork, June 2005. <https://www.slideshare.net/Cloud/syndication-and-rss>
- “Site Interoperability Projects”, Invited Talk at the Workshop on Semantic Interoperability, Knowledge Media Institute, Open University, February 2005. <https://www.slideshare.net/Cloud/site-interoperability>
- “Transformer Design”, Invited Talk at Wroclaw University of Technology, Poland, 2001.

## Tutorials

- John G. Breslin, “Teaching Researchers and Innovators How to Create Startups”, ImplantSens MSCA European Training Network [Online], 18th and 19th January 2022.
- John G. Breslin, “From Entrepreneurship to Startups”, Technical Assistance Mission, National Erasmus+ Office, Jordan [Online], 5th and 6th October 2021.
- John G. Breslin, “What Can You Do for Your Customer?”, Tutorial for the BonBillo Social Impact Incubator, Online, 5th November 2018.
- John G. Breslin, “Disciplined Entrepreneurship”, Tutorial at Blackstone LaunchPad, NUI Galway, 6th March 2018.
- John G. Breslin, “Disciplined Entrepreneurship”, Tutorials at the PorterShed, Galway, 27th and 28th July 2017.
- John G. Breslin, “Disciplined Entrepreneurship”, Tutorials at Blackstone LaunchPad, NUI Galway, 15th and 22nd March 2017.
- John G. Breslin, Paul Flynn, “Disciplined Entrepreneurship for AgTech Startups”, Tutorial to Plant & AgriBiosciences Research Centre, NUI Galway, 23 November 2016.
- John G. Breslin, Alexandre Passant, “The Social Semantic Web”, Tutorial at the Universitat Rovira i Virgili Artificial Intelligence Seminar Series, Tarragona, Spain, April 2011.
- John G. Breslin, Alexandre Passant, “The Social Semantic Web”, Tutorial at the 4th International AAAI Conference on Weblogs and Social Media (ICWSM-10), Washington DC, USA, May 2010. <https://www.slideshare.net/Cloud/the-social-semantic-web>
- John G. Breslin, Alexandre Passant, “The Social Semantic Web: An Introduction”, Tutorial at DERI, NUI Galway, 2nd April 2009. <https://www.slideshare.net/Cloud/the-social-semantic-web-an-introduction>
- John G. Breslin, Stefan Decker, Uldis Bojārs, “The Future of Social Networks: The Need for Semantics”, Tutorial at the Semantic Technologies Conference, San Jose, USA, May 2008. <https://www.slideshare.net/Cloud/the-future-of-social-networks-on-the-internet-the-need-for-semantics>
- Uldis Bojārs, John G. Breslin, Alexandre Passant, “Interlinking Online Communities and Enriching Social Software with the Semantic Web”, Tutorial at the 17th International World Wide Web Conference (WWW 2008), Beijing, China, 21st April 2008. <https://www.slideshare.net/Cloud/interlinking-online-communities-and-enriching-social-software-with-the-semantic-web>
- John G. Breslin, “Semantic Web 2.0”, Tutorial for Wireless Skillnet, Dublin, Ireland, May 2007.
- John G. Breslin, Stefan Decker, “Semantic Web 2.0: Creating Social Semantic Information Spaces”, Tutorial at the 15th International World Wide Web Conference (WWW 2006), Edinburgh, Scotland, May 2006. <https://www.slideshare.net/Cloud/semantic-web-20-creating-social-semantic-information-spaces>

- John G. Breslin, Maeve Duffy, W. Gerard Hurley, “High-Frequency Effects in Transformers and CAD Design”, Tutorials in Magnetics Design run by PEI Technologies, 1996, 2000 and 2001.

## Panels

- John G. Breslin (Chair), Orla Flynn (Atlantic Technological University), Helen McBreen (Atlantic Bridge Ventures), Elizabeth McGloughlin (Tympany Medical), Ciarán Ó hÓgartaigh (University of Galway), Siobhan Roche (Science Foundation Ireland), “Supporting Student Entrepreneurship at Third Level”, Scale Ireland Regional Startup Summit, Galmont Hotel, Galway, 25th February 2023. <https://www.youtube.com/watch?v=j63jZnR133Y>
- John G. Breslin (Chair), Olivia Forde (Zap Consulting), Carmel Granahan (Unify Success), Gareth McKee (Bam Boom Cloud), Magaly Murray (Gran Grans Foods), John O'Shanahan (LeanBPI), Brian Warde (Google), “Growing Your Business in the Digital Age”, Genesys, Galway, 26th January 2023.
- Xabier Sarasola Aramendia (Elhuyar Foundation), Loubna Bouarfa (OKRA.ai), John G. Breslin, Séamus McAteer (Chair, AI Fund), “Using AI to Benefit Humanity”, MIT Technology Review’s Innovators Under 35 Europe, Gaoth Dobhair, County Donegal, 20th May 2022.
- John G. Breslin, Isam Faik (Western University), Samuel Fosso Wamba (Toulouse Business School), John Keogh (Chair, Shantalla Inc.), Louise Manning (Royal Agricultural University), Javad Nasiry (McGill University), Diana Sabrain (OneAgrix), “Digitalizing Food Supply Systems for Business and Global Benefits”, Convergent Innovation Webinar Series, 23rd February 2022. [https://www.youtube.com/watch?v=z\\_MjBvXAsQc](https://www.youtube.com/watch?v=z_MjBvXAsQc)
- John G. Breslin (Chair), Maggie Cusack (Munster Technological University), Simon Harris (Minister for Further and Higher Education, Research, Innovation and Science), Conor Lyden (Trustap), Kevin Marshall (Microsoft Ireland), Helen McBreen (Atlantic Bridge), John O'Halloran (University College Cork), Siobhan Roche (Science Foundation Ireland), Peter Smyth (Tyndall National Institute), “Supporting Student Entrepreneurs and Startups at Third Level”, Scale Ireland Regional Startup Summit, 28th January 2022.
- John G. Breslin (Chair), Gianmaria Bullegas (Perpetual Labs), Clement Jonquet (LIRMM), Martin Hepp (Bundeswehr University Munich), “Ontology Adoption”, Ontology Commons: Addressing Challenges of the Industry 5.0 Transition, 3rd November 2021.
- John G. Breslin, Colin Keogh (Rapid Foundation), Ciara O'Brien (Chair, Irish Times), Aoife Prendergast (Analog Devices), “Careers in Engineering”, Irish Times Higher Options 2021, 13th October 2021.
- John G. Breslin, Damion Dooley (Simon Fraser University), John Keogh (Chair, Shantalla Inc.), Branimir Rakić (OriginTrail), “From Web 2 Data Silos to the Semantic Web 3”, 10th September 2021. [https://www.youtube.com/watch?v=dEvN3Gh\\_Sbk](https://www.youtube.com/watch?v=dEvN3Gh_Sbk)
- June Bolneo (Grow Remote), John G. Breslin, Justin Casimir (RISE), Bryonny Goodwin-Hawkins (NICRE), Sara Lerota (Chair, Ministry of Programming), Tasos Vasileiadis (IED), “Innovation in Rural Areas: An Exception or a Must?”, Startup OLÉ, 7th September 2021.
- June Bolneo (Grow Remote), John G. Breslin, Sara Lerota (Chair, Ministry of Programming), “Training for Rural Communities to Develop Local Innovation Capacity”, Rural European Innovation Area Launch Event, 6th April 2021.
- John G. Breslin, Nata Duvvury, Adrienne Gorman, John McHale, Niall Madden, Grace McCormack, “Academic Promotions Advisory Session”, University Women’s Network, NUI Galway, 21st January 2020.
- John G. Breslin, Ken Bruton (CIT), Bill O’Leary (Chair, Confirm SFI Research Centre), Andrew Parnell (Maynooth University), Roger Richardson (Corlina), “Digital Solutions in Manufacturing: Innovations and Value from Industry and Research Perspectives”, Industrial Internet Consortium Smart Manufacturing Forum, CIT, 23rd May 2019.
- Paul Bohan (Schneider Electric), John G. Breslin, David Cunningham (Galway City Innovation District), Derarca Dennis (Chair, EY), Brian O'Callaghan (Alere), “Does the Future of Finance Mean New Technology or New People?”, EY Future of Finance, Meyrick Hotel, Galway, 27th March 2019.

- Alejtin Berisha (Universum College, Kosovo), John G. Breslin, Emilio Corchado (Startup Olé Accelerator), Agnieszka Pugacewicz (University of Warsaw, Poland), “Transforming Universities into Entrepreneurship Engines”, Workshop at the Startup Europe Summit, Sofia, Bulgaria, 15th November 2018.
- John G. Breslin (Chair), David Cunningham (Priviti), Carmel McGroarty-Mitchell (CÚRAM Centre for Research in Medical Devices), Jan Rutherford (University of Colorado Denver), “Leading by Innovating”, InterTradeIreland All-Island Innovation Programme, The PorterShed, Galway, 28th May 2018.
- John G. Breslin, Siobhán Bradley (Chair, IPA), Gerard Brady (Ibec), Brendan McCormack (President, IT Sligo), “Accelerating Growth”, Northern & Western Region Masterclass in Collaborative Leadership, The Glasshouse Hotel, Sligo, 25th May 2018.
- John G. Breslin (Chair), Barry O’Sullivan (CEO, Altocloud), Joe Smyth (VP, Genesys), “Building an AI Company from Scratch - The Altocloud Story”, Atlantec Conference ’18, NUI Galway, Ireland, 24th May 2018.
- John G. Breslin, D. Carey (Chair, Moore Institute, NUI Galway), H. Felzmann (Philosophy, NUI Galway), K. Lillington (Irish Times), N. Tosh (Philosophy, NUI Galway), “Data Protection: Where Do We Stand?”, Moore Institute, NUI Galway, 9th April 2018.
- John G. Breslin (Chair), P. Flynn (TechInnovate/AgInnovate), M. Mellotte (Insight), N. Walsh (Blackstone LaunchPad), “From Idea/Invention/Innovation to Customer”, Startup Europe Comes to Universities (SEC2U), Institute for Lifecourse & Society, NUI Galway, 24th October 2017.
- John G. Breslin, P. Anglim (BioInnovate Ireland), E. Browne (Free Feet Medical), D. Clarke (Hatchery of Ideas), A. Rialp (Chair, Autonomous University of Barcelona), B. Woods (OCREX), “Commercialisation of Innovation for Internationalisation: Product Before Market?”, Industry Forum at the 21st McGill International Entrepreneurship Conference, The PorterShed, Galway, 30th August 2017.
- John G. Breslin (Chair), Samantha Barry (CNN), Montaser Marai (Al Jazeera), Anne-Marie Tomchak (Mashable), “Mobile Journalism in a Post-Truth World”, Mojocon Fringe Event, NUI Galway, 4th May 2017.
- John G. Breslin, L. Bowen (Entrepreneurs Academy), G. Carty (Fuzion Communications), G. Duffy (Chair, Gavin Duffy & Associates), S. Martin (MamaBud), P. O’Connell (Paddy O’s Cereals), M. O’Dwyer (SwiftComply), “Looking Forward: SMEs, Startups and Entrepreneurship”, AHECS Labour Market Task Group, National College of Ireland, 27th April 2017.
- John G. Breslin, Maurice O’Gorman (Galway Chamber), Frank O’Keeffe (EY), Jamie Williams (Chair, EY), “Is the Future of Finance New Technology or New People?”, EY Preparing for the Future Finance Function, Meyrick Hotel, Galway, 5th April 2017.
- John G. Breslin, J. O’Dea (Crospon), P. O’Doherty (CEO, Electric Ireland), S. Ryan (Chair, Irish Independent), S. Roarty (N17 Brewery), “Innovation in Practice”, IBEC Innovation Imperative, Galway, 26th May 2016.
- John G. Breslin, P. Formica (Innovation Value Institute, NUI Maynooth), A. Jazairy (World Intellectual Property Organization), J. Roos (Future Ideas), B. Samelin (Chair, European Commission), D. van Welsum (The Conference Board), “Innovation and Entrepreneurship”, Open Innovation 2.0 Conference, Dublin Convention Centre, Dublin, 12th June 2014.
- John G. Breslin, A. Gerber (innocomm), M. Hynes (Chair, European Science Foundation), M. Marchiori (REIsearch), D. Piechocki (Orange Labs), “Digital and Social Media: New Ways of Engaging Citizens in Research and Innovation”, European Intersectoral Summit on Research and Innovation, Trinity College Dublin, Ireland, 26th February 2013.
- John G. Breslin, C. Coughlan (HP), J. Ryan (Great Place to Work Ireland), M. Sugrue (Kinesense), “Where Are the Growth Opportunities for Ireland?”, Irish Executives Summit, Radisson SAS, Galway, 27th September 2012.
- John G. Breslin, N. Devitt (Tweak Your Biz), F. Hannigan (Pathfinder Partners International), Z. Sheerin (Mint Digital), J. Twohig (Ahain Group), “Social Media Panel”, Irish Executives Summit, Radisson SAS, Galway, 15th September 2011.
- John G. Breslin, D. Collins (Jolt Online Gaming), K. Majerus (Cisco), D. McLoughlin (Chair, UCD), D. Mulley (Mulley Communications), “Digitising Your Business Model and Exploiting New Technologies”, Digital Landscapes, University College Dublin, 3rd March 2010.

- John G. Breslin, N. Infield (British Library), I. Manzie (Thomson Reuters), D. Meehan (Chair, Dublin City University), “Survival, Evolution or Extinction: Shaping Our Futures”, British Business Schools Librarians Group, Dublin, 2nd July 2009.
- John G. Breslin, E. Carey (Chair, Random Thoughts Media), C. Dillon (Microsoft), W. Luenenburger-Reidenbach (Edelman), B. O’Connor (PricewaterhouseCoopers), “What is Social Media”, Futureproof Conference, Dublin, 18th June 2009.
- John G. Breslin, J. Browne (Chair, NUI Galway), O. Daniels (Nortel), A. Devitt (Forfás), B. O’Leary (IDA), F. Ó Móráin (Enterprise Ireland), “Research and Development: Building the Knowledge Economy”, Engineers Ireland Annual Conference, Tullamore, 23rd April 2009.
- John G. Breslin, J. Collison (Auctomatic, now Stripe), A. Finn (Chair, DERI), N. Larkin (Relevant M), A. McDermott (LogOn.ie), T. Raftery (Tom Raftery IT), “Send Lawyers, Guns and Money, Dad: Issues Faced by Irish Technology Startups”, BarCamp Galway, DERI, NUI Galway, 22nd September 2007.
- John G. Breslin, B. Brown (Moli), J. Collins (Chair, Irish Times), J. Drumgoole (PutPlace), P. Lynch (Eirplay Games), J. McCormick (Xbox Live Gaming Centre), M. Taylor (eircom), “Social Networking in Games”, GAME :ON Cyber Games Festival, Digital Hub, Dublin, 10th September 2007.
- John G. Breslin, J. Cunningham (Chair, NUI Galway), R. Fox (DERI), M. Leyden (DERI), B. McDaniel (DERI), B. Smith (DERI), “Founders Forum”, DERI Entrepreneurial Forum, NUI Galway, 22nd June 2007.
- John G. Breslin, S. Decker (DERI), M. Grandinetti (Chair, MIT Sloan School of Management), A. Teodorescu (IBM Venture Capital Group), D. Wyatt (McAfee SiteAdvisor), “Information Technology Panel”, The 7th Annual MIT Technology and Entrepreneurship Forum, MIT, Cambridge, USA, 2nd March 2007.

## Conference Talks

- “The PorterShed Story”, Ascent: The Rise of Galway City’s Innovation District, Meyrick Hotel, Galway, 16th May 2019.
- “A Balanced Routing Algorithm for Blockchain Offline Channels using Flocking”, The 1st International Congress on Blockchain and Applications (BLOCKCHAIN ’19), Avila, Spain, June 2019.
- “Collusion Attack from Hubs in the Blockchain Offline Channel Network”, The 1st International Conference on Mathematical Research for Blockchain Economy (MARBLE 2019), Fira, Santorini, Greece, 9th May 2019. <https://www.slideshare.net/Cloud/collusion-attack-from-hubs-in-the-blockchain-offline-channel-network>
- ““I Like” - Analysing Interactions within Social Networks to Assert the Trustworthiness of Users, Sources and Content”, The 5th IEEE International Conference on Social Computing (SocialCom 2013), Washington, DC, USA, September 2013.

## MEDIA COVERAGE

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- “Blockchain agus bitcoin”, Fionnuala Uí Neachtain, Iris Aniar, RTÉ Raidió na Gaeltachta, 24ú Bealtaine 2022.
- “Colourising photographs: far from a black and white issue”, Pavel Barter, Sunday Times, 12th December 2021. <https://www.thetimes.co.uk/article/colourising-photographs-far-from-a-black-and-white-issue-nct9v85jf>
- “1920s Ireland in Colour”, Tomás O Mainnín, RTÉ Six One News and Nine O’Clock News, 24th October 2021.
- “Old Ireland in Colour 2”, Fionnuala Uí Neachtain, Iris Aniar, RTÉ Raidió na Gaeltachta, 29ú Meán Fómhair 2021.
- “Old Ireland in Colour 2”, Galway Talks with Keith Finnegan, Galway Bay FM, 28th September 2021.
- “Old Ireland in Colour 2”, The Tommy Marren Show, Midwest Radio, 27th September 2021.
- “When the future met the past — the Ireland in Colour phenomenon”, Declan Varley, Galway Advertiser, 23rd September 2021. <https://www.advertiser.ie/athlone/article/124566/when-the-future-met-the-past-the-ireland-in-colour-phenomenon>
- “Carson in colour: Snapshot of Northern Ireland history brought to life in new book”, Amy Cochrane, Belfast Telegraph, 21st September 2021. <https://www.belfasttelegraph.co.uk/news/northern-ireland/carson-in-colour-snapshot-of-northern-ireland-40702343.html>
- “Old Ireland in Colour: Second instalment gives a fresh look at the past”, Marjorie Brennan, Irish Examiner, 20th September 2021. <https://www.irishexaminer.com/lifestyle/artsandculture/arid-40702343.html>

- “Crashes, rebels and bleeding statues - Old Ireland In Colour is back with a new book that brings the past to life”, Chrissie Russell, Sunday Independent, 19th September 2021. <https://www.independent.ie/entertainment/books/crashes-rebels-and-bleeding-statues-old-ireland-in-colour-is-back-with-a-new-book-that-brings-the-past-to-life-4085011.html>
- “Beyond bitcoin: Blockchain will change finance, science and the world”, Sean Duke, Irish Times, 13th May 2021. <https://www.irishtimes.com/news/science/beyond-bitcoin-blockchain-will-change-finance-science-and-the-world-1.4556196>
- “Who Does That?”, Anne Rutledge, Dublin City FM, 10th May 2021. <https://soundcloud.com/dcfm-1032/who-does-that-10th-may-2021>
- “Photo restoration project shines a light on life in old Ireland”, Bryan O’Brien, Irish Times, 8th May 2021. <https://www.irishtimes.com/culture/art-and-design/photo-restoration-project-shines-a-light-on-life-in-old-ireland-1.4559463>
- “Meet the academics and research institutes taking part in the Trace Alliance Data Interoperability and Semantic Web Working Group”, Yahoo! Finance, 23rd April 2021. <https://finance.yahoo.com/news/meet-academics-research-institutes-taking-111100000.html>
- “AI photo restoration shines a light on life in old Ireland”, Oscar Holland, CNN, 29th March 2021. <https://edition.cnn.com/style/article/old-ireland-color-photos-breslin/index.html>
- “Photographs from the past brought to mesmerising life in Old Ireland In Colour”, Ruth McKee, Books Ireland Magazine, 27th March 2021. <https://booksirelandmagazine.com/old-ireland-in-colour/>
- “Old Ireland in Colour”, Maidhc Ó Féinneadhá, Gabh i Leith Cogar, RTÉ Raidió na Gaeltachta, 24ú Feabhra 2021.
- “WriteStuff: Galway academic John Breslin on creating a bestselling book by colourising old Irish photographs”, Kim Biebenberg, 18th January 2021. <https://www.independent.ie/entertainment/books/writeside-john-breslin-on-his-bestselling-book-1.4559463>
- “Spléachadh ar an leabhar grianghraif Old Ireland in Colour”, Pádraig Mac Oitir, Meon Eile, 15ú Eanair 2021. <https://www.meoneile.ie/cultur-agus-ealaín/seoladh-an-leabhar-griangraif-old-ireland-in-colour>
- “Old Ireland in Colour by John Breslin to top bestseller charts in photo finish”, Eithne Shortall, Sunday Times, 20th December 2020. <https://www.thetimes.co.uk/editition/ireland/old-ireland-in-colour-by-john-breslin-to-top-bestseller-charts-1.4559463>
- “Irish women of the 20th century – in glorious colour”, Irish Times, 19th December 2020.
- “We like our history in glorious technicolour”, Valerie Hanley, Irish Mail on Sunday, 13th December 2020.
- “It’s a huge thing for a writer”: Donal Ryan and Keelin Shanley among Irish Book Awards winners”, Aoife Barry, TheJournal.ie, 25th November 2020. <https://www.thejournal.ie/irish-book-awards-winners-2020-5278373-Nov2020/>
- “Old Ireland in Colour”, Ryan Tubridy, The Late Late Show, RTÉ One, 20th November 2020. <https://www.rte.ie/player/movie/old-ireland-in-colour/164166184269?clipguid=PI000016285>
- “These stunning colourised photos give a new look at Ireland’s past”, Aoife Barry, TheJournal.ie, 11th November 2020. <https://www.thejournal.ie/old-ireland-in-colour-book-interview-5262943-Nov2020/>
- “A most beautiful book”, Galway Talks with Keith Finnegan, Galway Bay FM, 11th November 2020.
- “Many photographs restored to great colour”, Around the North West with John Breslin, Highland Radio, 10th November 2020.
- “Phenomenal Old Ireland in Colour book tells the story of Irish history like never before”, Shane O’Brien, Irish Central, 9th November 2020. <https://www.irishcentral.com/roots/history/old-ireland-in-colour-book-irish-history>
- “Our colourful past takes on a very different hue”, Alan Preston, Belfast Telegraph, 7th November 2020. <https://www.belfasttelegraph.co.uk/news/northern-ireland/new-book-old-ireland-in-colour-uses-modern-technology-to-give-old-photographs-new-life-1.4559463>
- “Bringing old photos to life... in full colour”, Maeve Lee, Echo Live, 6th November 2020. <https://www.echolive.ie/corklives/Bringing-old-photos-to-life-in-full-colour-9805b8f0-9578-4774-b2e9-020a2188883a-ds>
- “Forty shades of sepia: Historian brings black and white photos of Ireland back to life in stunning new book”, Aoife Bannon, Irish Sun, 2nd November 2020. <https://www.thesun.ie/news/6095133/ireland-black-and-white-photos-colourised/>
- “Why we turned Ireland’s black and white past into colour”, RTÉ Brainstorm, 30th October 2020. <https://www.rte.ie/brainstorm/2020/1030/1174842-old-ireland-in-colour/>
- “Cork’s giant waterslide and other magnificent pictures from Ireland’s past ”, Marjorie Brennan, Irish Examiner, 26th October 2020. <https://www.irishexaminer.com/lifestyle/artsandculture/arid-40070075.html>
- “Connection to our past’ - how an Irish account that brought colour to history has gained a cult online following”, Chrissie Russell, Sunday Independent, 18th October 2020. <https://www.independent.ie/life/connection-to-our-past-how-an-irish-account-1.4559463>
- “Old Ireland in Colour”, Fionnuala Uí Neachtain, Iris Aniar, RTÉ Raidió na Gaeltachta, 4ú Meitheamh 2020.
- “Remarkable views of old Sligo in colour”, Sligo Weekender, 7th May 2020.
- “Adding a splash of colour to the history of Galway”, Stephen Corrigan, Connacht Tribune, 5th May 2020. <https://connachttribune.ie/adding-a-splash-of-colour-to-the-history-of-galway/>
- “AI ‘De-Oldifying’ the past”, Concubhar Ó Liatháin, The Corkman, 30th April 2020.
- “Bringing old Ireland back to life”, Gavin Grace, Clare FM, 28th April 2020.
- “Old images, new lease of life”, Pat McGrath, RTÉ Six One News, 27th April 2020.
- “It brings history to life’: The project giving colour to Michael Collins, Countess Markievicz and other Irish figures”, Stephen McDermott, TheJournal.ie, 26th April 2020. <https://www.thejournal.ie/old-ireland-in-colour-history-photographs-5085011.html>
- “On anniversary of his death, Brother Walfrid seen in glorious colour”, Alan Finn, Sligo Weekender, 23rd April 2020.
- “John Breslin receives President’s Award at Galway Chamber Business Awards”, Galway Advertiser, 12th December 2019.
- “Sweeney Oil named Business of the Year by Galway Chamber”, Galway Daily, 6th December 2019. <https://galwaydaily.com/business/sweeney-oil-names-business-of-the-year-by-galway-chamber/>
- “Sweeney Oil wins Galway Chamber’s Business of the Year Award”, Connacht Tribune, 5th December 2019. <https://connachttribune.ie/sweeney-oil-wins-galway-chambers-business-of-the-year-award/>

- “Connacht Hotel honoured for 50th anniversary campaign at Galway Chamber Business Awards”, Galway Daily, 2nd December 2019. <https://galwaydaily.com/business/connacht-hotel-galway-chamber-awards/>
- “Old Ireland in Colour”, Around the North West with John Breslin, Highland Radio, 29th November 2019.
- “Donegal family research leads to amazing colour update for black and white photos”, Michael McHugh, Donegal Post, 21st November 2019. <https://www.donegallive.ie/news/features/495528/donegal-family-research-leads-to-amazing-colour-update.html>
- “Workshop supporting researchers to create innovation-driven enterprises”, Irish Tech News, 14th November 2019. <https:////irishtechnews.ie/workshop-researchers-create-innovation-enterprises/>
- “Idir chosmhuintir Ghaoth Dobhair agus Tomás Ó Criomhthain, tá beocht nua ag baint le Old Ireland in Colour”, Ciarán Folan, Tuairisc.ie, 27ú Deireadh Fómhair 2019. <https://tuairisc.ie/idir-chosmhuintir-ghaoth-dobhair-thomas-o-criomhthain-tá-beocht-nua-ag-baint-le-old-ireland-in-colour/>
- “West coast’s coolest: 12 sci-tech business influencers in Galway”, Elaine Burke, Silicon Republic, 23rd October 2019. <https://www.siliconrepublic.com/companies/galway-science-technology-influencers-west-ireland>
- “Old Ireland in Colour”, Barrscéalta, RTÉ Raidió na Gaeltachta, 7ú Deireadh Fómhair 2019.
- “Colour throws new light on photos”, Catherine Cook, Donegal News, 19th September 2019.
- “Old Ireland in Colour”, Molsceal TG4, 13ú Meán Fómhair 2019. <https://molsceal.ie/siamsaiocht/alt/?CID=6085979250001>
- “Report reveals how research centres can achieve economic sustainability”, Engineers Journal, 29th July 2019. <https://www.engineersjournal.ie/2019/07/29/report-reveals-how-research-centres-can-achieve-economic-sustainability/>
- “Pictiúir cháiliúla de Pheig Sayers daite”, Nós, 20ú Meitheamh 2019. <https://nos.ie/teic/pictiuir-chailiula-de-pheig-sayers-dai-teic-nos-2019-07-29>
- “Earth observation and space innovation-driven entrepreneurs and enterprises in Ireland encouraged to participate in hackathon led by ICHEC founded at NUI Galway”, Ronan Leonard, Irish Tech News, 23rd April 2019. <https:////irishtechnews.ie/earth-observation-and-space-innovation-driven-entrepreneurs-and-enterprises-in-ireland-encouraged-to-participate-in-hackathon-led-by-ichec-founded-at-nui-galway/>
- “Ireland becomes an international laboratory for blockchain projects in ag-tech”, IOT Evolution World, 22nd March 2019. <https://www.iotevolutionworld.com/iot/articles/441679-ireland-becomes-an-international-laboratory-blockcha-projects-a.html>
- “Opportunities and challenges for the Irish app economy”, Will Goodbody, RTÉ Nine O’Clock News, 29th August 2018. <https://www.facebook.com/nuigalway/videos/329496841120488/>
- “The college guide to NUIG: insider tips, Insta hotspots, and the story of the Big Yellow Thing”, TheJournal.ie, 16th August 2018.
- “NUIG offers Masters in AgInnovation through distance education”, Stephen Cadogan, Irish Examiner, 12th July 2018.
- “EnerPort aims to accelerate peer-to-peer energy sales”, Evening Echo, 20th March 2018.
- “Blockchain consultancy collaborates in €185,000 energy research project”, Elaine O'Regan, Sunday Business Post, 18th March 2018.
- “Irish neighbours may soon be able to sell each other electricity via blockchain”, John Kennedy, Silicon Republic, 16th March 2018. <https://www.siliconrepublic.com/machines/blockchain-enerport-electricity-peer-to-peer>
- “EnerPort a new blockchain energy trading project launched”, Ronan Leonard, Irish Tech News, 15th March 2018. <https:////irishtechnews.ie/enerport-a-new-blockchain-energy-trading-project-launched/amp/>
- “Energy project uses blockchain to introduce peer-to-peer energy trading”, TechCentral.ie, 15th March 2018. <http://www.techcentral.ie/energy-project-uses-blockchain-introduce-peer-peer-energy-trading/>
- “Irish start-ups prospering in agrifood and green energy sectors”, Charlie Taylor, Irish Times, 18th January 2018. <https://www.irishtimes.com/business/technology/irish-start-ups-prospering-in-agrifood-and-green-energy-sectors-1.3358827>
- “Which Irish tech sectors are absolutely killing it right now?”, John Kennedy, Silicon Republic, 18th January 2018. <https://www.siliconrepublic.com/start-ups/irish-tech-sectors-ai-blockchain-ar-agritech-health-techireland>
- “Transforming great ideas into start-ups: new European-wide project to help researchers become innovators”, IESE News, 17th January 2018. <http://www.iese.edu/en/about-iese/news-media/news/2018/january/transforming-great-ideas-into-start-ups>
- “EY announces sponsorship of NUI Galway’s TechInnovate”, Amy Murphy, Irish Tech News, 13th January 2018. <https:////irishtechnews.ie/ey-announces-sponsorship-of-nui-galways-techinnovate/>
- “EY support offers major boost for NUI Galway’s TechInnovate and local start-up economy”, Galway Advertiser, 11th January 2018. <http://www.advertiser.ie/galway/article/97775/ey-support-offers-major-boost-for-nui-galways-techinnovate>
- “How to rival Dublin’s tech scene”, Adrian Weckler, Sunday Independent, 3rd December 2017. <https://www.independent.ie/business/technology/how-to-rival-dublins-tech-scene-36373597.html>
- “Galway conference to examine economic opportunities for the West of Ireland”, Galway Bay FM, 27th November 2017.
- “Could 2018 be a turning point for the West? One Region: One Vision conference explores the possibilities”, Adrian Weckler, Irish Independent, 20th November 2017. <https://www.independent.ie/business/irish/could-2018-be-a-turning-point-for-the-west-36373597.html>
- “Turning adversity into advantage: why 2018 is going to be the West of Ireland’s big year”, Galway Advertiser, 16th November 2017. <http://www.advertiser.ie/galway/article/96654/turning-adversity-into-advantage-why-2018-is-going-to-be-the-west-of-ireland>
- “Why 2018 could be a turning point for the West of Ireland”, Leitrim Observer, 14th November 2017. <http://www.leitrimobserver.ie/news/home/281601/why-2018-could-be-a-turning-point-for-the-west-of-ireland.html>
- “Erasmus+: building bridges of knowledge globally”, Irish Independent, 19th September 2017. <http://www.independent.ie/irish-news/education/from-erasmus-to-erasmus/erasmus-building-bridges-of-knowledge-globally-36143432.html>
- “Free courses for professional development in technology-driven enterprises”, Galway Bay FM, 14th July 2017.
- “Hub club: the rise of work-share spaces”, Irish Times, 5th July 2017.
- “Galway-St. Louis sister city interview with Stella Sheehan”, Galway Bay FM, 9th May 2017.
- “Mojocon fringe event at NUI Galway”, Galway Bay FM, 3rd May 2017.
- “NDRC at PorterShed accelerator”, Galway Bay FM, 2nd May 2017.
- “Into the West: the new tech community helping Irish start-ups”, Irish Independent, 6th April 2017.
- “Chamber review of the year 2016”, Galway Independent, 28th December 2016.

- “A great year for Galway, but we need more of this sort of thing”, John Breslin, Galway Advertiser, 22nd December 2016.
- “Junior Achievement Ireland moves to the PorterShed”, Galway Advertiser, 22nd December 2016.
- “New entrepreneurship programme to target agriculture and defence”, Galway Advertiser, 10th November 2016.
- “Breslin leads new initiative to unlock tech innovations”, Irish Independent, 2nd November 2016.
- “Academics muck in on dairy farms in search for agri-tech solutions”, Farmers Journal, 2nd November 2016.
- “NUIG enterprise programme has novel innovation plan”, Business Plus, 1st November 2016.
- “Innovation NUIG teams to come up with new ideas”, Irish Times, 1st November 2016.
- “Innovation not left to chance in new programme at NUI Galway”, Irish Times, 31st October 2016.
- “Creating space is key for new entrepreneurs, conference told”, Galway City Tribune, 28th October 2016.
- “Discussion on business and entrepreneurship, and Third Degree quiz”, The Last Word with Matt Cooper, Today FM, 6th September 2016.
- “US Ambassador visits the PorterShed”, Galway Advertiser, 21st July 2016.
- “Innovation District to add 20 companies to Galway every year”, Galway Independent, 24th June 2016.
- “Cream of business rises to the top at PorterShed”, Galway City Tribune, 17th June 2016.
- “Innovation is in our DNA”, says John Breslin”, Irish Times, 18th May 2016.
- “New Innovation District set to open”, Galway Independent, 4th May 2016.
- “Innovating West returns”, Galway Independent, 4th May 2016.
- “ITAG Awards 2016 winners”, Galway Advertiser, 28th April 2016.
- “Prototyping and product development (electronics) meetup at the PorterShed next week”, Galway Advertiser, 21st April 2016.
- “Bol sponsors TechInnovate”, Sunday Business Post, 3rd April 2016.
- “New TechInnovate Fellowship launched”, Galway Independent, 30th March 2016.
- “PolyPico Technologies Ltd wins €10,000 top prize at this year’s SCCUL Enterprise Awards”, Galway Independent, 16th March 2016.
- “BiInnovate programme puts fresh eyes on medtech innovation”, Irish Times, 14th March 2016.
- “Start-up of the week: ExerWISE”, Silicon Republic, 29th February 2016.
- “Keep innovating”, Galway Independent, 3rd February 2016.
- “PolyPico wins €10,000 SCCUL Award”, Galway Independent, 3rd February 2016.
- “Startup mecca rises from abandoned Guinness storehouse”, Robert Hof, Forbes, 31st December 2015. <https://www.forbes.com/sites/roberthof/2015/12/31/startup-mecca-rises-from-abandoned-guinness-storehouse/>
- “Applications open for PorterShed”, Galway Independent, 25th November 2015.
- “Ceantar Nuálaíochta do Ghailimh”, Nuacht, TG4, 19ú Samhain 2015.
- “Gaillimh Nua to form major part of NUI Galway Global Irish Economic Forum session”, Galway Advertiser, 19th November 2015.
- “Galway Chamber Business Awards”, Galway City Tribune, 6th November 2015.
- “Director of Ireland 2016 for Chamber Business Awards”, Galway Independent, 21st October 2015.
- “Shortlist revealed for Chamber Awards”, Connacht Tribune, 9th October 2015.
- “Chamber Business Awards”, Galway Independent, 7th October 2015.
- “Life’s a pitch: are you ready for Startup Weekend?”, Galway Advertiser, 1st October 2015.
- “Galway will next month shine a spotlight on startups and the entrepreneurial spirit in the city”, Galway Independent, 30th September 2015.
- “Getting past ‘no’ is the way to go!”, Connacht Tribune, 25th September 2015.
- “Bank backs innovation”, Galway City Tribune, 25th September 2015.
- “AIB announces five year partnership with Galway City Innovation District”, Galway Advertiser, 24th September 2015.
- “PorterShed: build it and they will come to Galway”, Irish Independent, 24th September 2015.
- “AIB sponsors pioneering PorterShed to enable start-ups to thrive”, Connacht Tribune, 24th September 2015.
- “AIB announces five year partnership with Galway City Innovation District”, Galway Advertiser, 24th September 2015.
- “Galway’s new Innovation District to open next year”, Galway Independent, 23rd September 2015.
- “Startup revolution”, Galway Independent, 23rd September 2015.
- “Bank’s start-up workbench”, Connacht Tribune, 21st August 2015.
- “Hub helps fledgling businesses”, Connacht Tribune, 3rd July 2015.
- “PorterShed project no small beer”, Galway City Tribune, 26th June 2015.
- “Startup Galway gathering”, Galway City Tribune, 29th May 2015.
- “Latest news, issues and tips in relation to business”, Galway Bay FM, 21st May 2015.
- “Startup Gathering coming to Galway”, Galway Independent, 21st May 2015.
- “Facebook News Feed displays political bias”, Irish Times, 14th May 2015.
- “Various business stories this week, Galway City Innovation District and PorterShed”, Galway Bay FM, 14th May 2015.
- “City hub created”, Galway Independent, 18th March 2015.
- “A difficult delivery: start-up hubs”, Sunday Business Post, 15th March 2015.
- “Discussion about the Innovating West summit and a downtown hub”, Drivetime with Mary Wilson, RTÉ Radio 1, 13th March 2015.
- “Innovation awake in the west”, Connacht Tribune, 6th March 2015.
- “Dublin event to highlight Galway as technology hub”, Galway Bay FM, 5th March 2015.
- “Anatomy app is just what the doctor ordered”, Sunday Independent, 15th February 2015.
- “And the password is... (so easy to forget)”, Irish Times, 6th November 2014.
- “Galway becomes city of the start up tribes”, Irish Independent, 14th August 2014.
- “The appy route to early learning”, Connacht Tribune, 4th July 2014.
- “WIT’s Prof Donnelly short listed for business award”, Waterford News & Star, 24th June 2014.

- “UL research fellow wins inaugural Knowledge Transfer Ireland Research2Business Award”, Limerick Post, 14th June 2014.
- “Transatlantic divide on digital policy”, Irish Times, 22nd May 2014.
- “Galway startup wins prestigious award”, Galway Independent, 7th May 2014.
- “Pocket picked”, Galway City Tribune, 2nd May 2014.
- “Tech firm pockets win”, Irish Independent, 30th April 2014.
- “Galway startup joins prestigious US academy”, Galway Independent, 16th April 2014.
- “European app market ‘can create 4.8 million jobs’”, Irish Times, 14th February 2014.
- “‘App economy’ could be worth €63bn in 5 years”, Irish Examiner, 14th February 2014.
- “West awake to start-up possibilities”, Sunday Business Post, 22nd December 2013.
- “NUI Galway researchers win best paper at UN eGov conference”, Computerscope, 20th December 2013.
- “New start-up group aims to make Galway the ‘birthplace of ambition’”, Galway City Tribune, 20th December 2013.
- “Fewer than 140 characters in Twitter - chances are they’re all male”, Irish Times, 10th October 2013.
- “Galway lecturer joins Board of American Council on Exercise”, Galway City Tribune, 6th September 2013.
- “NUIG lecturer Dr. John Breslin has been appointed to the ACE board”, Galway Bay FM, 2nd September 2013.
- “NUIG Galway study aims to tackle key issues facing the app economy”, Galway Bay FM, 29th August 2013.
- “Galway expert leads Euro drive to come up with new ideas to grow app economy”, Galway City Tribune, 16th August 2013.
- “Top tweeters with useful insight and great advice”, Sunday Independent, 21st July 2013.
- “Irish boffins study app impact”, Irish Daily Star, 9th May 2013.
- “Galway tuned into tech”, Galway Independent, 17th April 2013.
- “Getting connected”, Galway Independent, 5th December 2012.
- “Seminar to discuss social media and charities”, Galway Independent, 12th September 2012.
- “Putting social media under the microscope”, Irish Times, 7th June 2012.
- “Interview with John Breslin”, Ó Bhruach na Coiribe, Flirt FM, 22nd May 2012.
- “Galway technology being used by US government”, Galway Advertiser, 2nd May 2012.
- “Irish web tools used by US government bodies”, Sunday Business Post, 29th April 2012.
- “On the road to innovation”, Irish Times, 15th December 2011.
- “Discussion about internet trolls with Eddie Hobbs”, The Right Hook with George Hook, Newstalk, 29th November 2011.
- “The net works for social students”, Sunday Times, 31st July 2011.
- “Positive job prospects for a new type of engineer”, Public Sector Times, 31st July 2011.
- “Positive job prospects for new types of engineers”, Galway City Tribune, 8th July 2011.
- “Electronic engineers with their analytical skills can be very successful in a business setting”, Irish Times, 17th May 2011.
- “US base for local company”, Galway Independent, 6th April 2011.
- “Executive networking service attracts senior professionals”, Sunday Business Post, 5th December 2010.
- “Talks about seminar, online networking, social media and other issues”, Clare FM, 9th November 2010.
- “World Wide Web conference and the birth of the Web”, Morning Ireland, RTÉ Radio 1, 27th September 2010.
- “Silicon Valley social media gurus to descend on Galway”, Galway Bay FM, 25th August 2010.
- “BlogTalk conference to be held in Galway”, Irish Times, 13th August 2010.
- “Top online experts lined up for city conference”, Galway City Tribune, 13th August 2010.
- “Two days in the blog - Social networking gurus to attend BlogTalk this month”, Galway Advertiser, 12th August 2010.
- “Digital landscapes: transforming business online”, Computerscope, 22nd February 2010.
- “The Social Semantic Web”, Public Sector Times, 22nd January 2010.
- “NUIG experts solve on-line problems in new book”, Galway City Tribune, 1st January 2010.
- “DIASPORA”, Science Spin, 6th November 2009.
- “Excellence shines through at NUIG”, Sunday Business Post, 28th June 2009.
- “Galway eyes smarter web”, Irish Times, 26th June 2009.
- “Conference on social network tools”, Irish Times, 12th June 2009.
- “Obama administration using technology developed at NUI Galway”, Technology Ireland, 31st May 2009.
- “Obama administration to use NUI Galway technology”, Mooney, RTÉ Radio 1, 11th May 2009.
- “Obama administration using NUI Galway technology”, Public Sector Times, 1st May 2009.
- “Obama recovery programme using technology developed at NUI Galway”, Galway Advertiser, 9th April 2009.
- “US interest in uni team”, Irish Daily Mirror, 3rd April 2009.
- “NUI Galway software for Obama initiative”, Irish Daily Mail, 3rd April 2009.
- “Irish technology at forefront of Obama’s stimulus plans”, Irish Independent, 3rd April 2009.
- “President Obama administration to use technology created at NUIG”, Galway City Tribune, 3rd April 2009.
- “Obama administration uses NUI Galway tech”, RTÉ.ie, 3rd April 2009.
- “Obama link to Galway”, Evening Herald, 2nd April 2009.
- “Internet technology will be used by the Obama administration”, Galway Bay FM, 2nd April 2009.
- “DERI goodness”, PC Live!, 1st December 2008.
- “Creativity to be well rewarded”, Galway Voice, 5th August 2008.
- “Can you compile ten years of Irish life?”, Galway First, 4th August 2008.
- “City-based research institute runs unique web competition”, Galway City Tribune, 1st August 2008.
- “Competition to reflect ten years of online data”, Galway Independent, 30th July 2008.
- “Making use of a decade of online Irish banter”, Marie Boran, Silicon Republic, 29th July 2008.
- “Tourist Republic to make travelling tailor-made”, Public Sector Times, 11th July 2008.
- “TripPlanr to bring about a travel revolution”, Galway Voice, 30th June 2008.

- “New internet tool will help plan complex trips”, Miriam Donohoe, Irish Times, 28th June 2008.
- “NUI Galway and Tourist Republic to make travelling tailor-made”, Galway Advertiser, 26th June 2008.
- “Happy holidays with trip planner”, Galway Independent, 25th June 2008.
- “Web solution with a difference”, Margaret O’Brien, Sunday Business Post, 22nd June 2008.
- “Breslin talks Facebook’ and Bebo’, The Keith Finnegan Show, Galway Bay FM, 20th June 2008.
- “Where 2.0 now?”, Brian Skelly, Knowledge Ireland, 14th May 2008.
- “The 15th anniversary of the WWW”, Morning Ireland, RTÉ Radio 1, 1st May 2008.
- “The move to make social data portable”, Karen Heyman, IEEE Computer, 7th April 2008.
- “Return of the portal”, Haydn Shaughnessy, Innovation, Irish Times, 10th March 2008.
- “Ireland shows community spirit in deciding future of web”, Marie Boran, Irish Independent, 28th February 2008.
- “Where do you go to get advice...”, Galway First, 18th February 2008.
- “A funny thing happened on the way to the forum”, Marie Boran, Irish Independent, 14th February 2008. <http://www.independent.ie/business/technology/a-funny-thing-happened-on-the-way-to-the-forum-1289652.html>
- “Eolas pearsanta ar an Idirlón”, Nuacht, TG4, 11ú Feabhra 2008.
- “Tax incentives for US tech firms, but what happens to local talent?”, Mike Butcher, TechCrunch, 6th February 2008.
- “Digital industry body needed for Ireland, says expert”, Marie Boran, Silicon Republic, 5th February 2008.
- “Clique here”, Kathy Foley, Sunday Times, 3rd February 2008.
- “Data portability: reasonable goal or impossible dream?”, Juan Carlos Perez, Washington Post, 21st January 2008. [http://www.washingtonpost.com/wp-dyn/content/article/2008/01/21/AR2008012101039\\_2.html](http://www.washingtonpost.com/wp-dyn/content/article/2008/01/21/AR2008012101039_2.html)
- “SIOC-ing the Semantic Web”, Jennifer Zaino, SemanticWeb.com, 11th January 2008.
- “Treading the boards”, Rory Gannon, PC Live!, 1st January 2008.
- “New year, new web”, Jennifer Zaino, SemanticWeb.com, 31st December 2007.
- “Social networking craze”, Morning Ireland, RTÉ Radio 1, 27th December 2007.
- “Anti-social networking”, Susan Mitchell, Sunday Business Post, 7th October 2007.
- “NUIG gets caught up in semantics”, Knowledge Ireland, 20th September 2007.
- “Flawed system for monitoring Irish web use”, Damien Mulley, Sunday Tribune, 16th September 2007.
- “DERI shows the way on web standards”, PC Live!, 11th September 2007.
- “Online networking for the social.ie challenged”, Marie Boran, Silicon Republic, 27th August 2007.
- “Galway lab weaves new web”, Irish Independent, 23rd August 2007.
- “NUIG digital institute submits cutting-edge technology to web standards organisation”, Galway Independent, 22nd August 2007.
- “DERI submits semantic web standards proposal”, Niall Byrne, Silicon Republic, 20th August 2007.
- “DERI asks W3C to consider SIOC as standard for using community data”, TechCentral.ie, 20th August 2007.
- “New Talktourism.ie launched for this area”, Anglo Celt, 3rd May 2007.
- “Talktourism.ie launched in Cootehill”, Northern Standard, 3rd May 2007.
- “Social networking: sharing is caring for the bottom line”, Damien Mulley, Sunday Tribune, 18th March 2007.
- “Galway bloggers nominated for Irish Digital Media Awards”, Galway Bay FM, 1st February 2007.
- “Galway bloggers nominated for Irish Digital Media Awards”, Galway Independent, 31st January 2007.
- “Virtual world is breaking old mould”, Bernie Goldbach, Irish Examiner, 26th January 2007.
- “Cyberstalking”, The Last Word with Matt Cooper, Today FM, 12th January 2007.
- “Twenty Major scoops internet award”, Irish Times, 8th December 2006.
- “Galway winners in the Net Visionary awards”, Galway Bay FM, 17th November 2006.
- “HostelWorld scoops top prize at IIA awards”, Maxim Kelly, ElectricNews.net, 17th November 2006.
- “Greene emerges as pick of the pods”, John Kennedy, Silicon Republic, 17th November 2006.
- “The secret life of the Irish blogger”, Haydn Shaughnessy, Irish Times, 6th November 2006.
- “Three Galway residents receive Net Visionary nominations”, Galway Bay FM, 6th November 2006.
- “A survivor’s guide to pods and blogs...”, Ed Power, Irish Independent, 1st November 2006.
- “Web wonders”, Ed Power, Irish Independent, 19th June 2006.
- “Bebo and NUI Galway”, Talk with Jack And Ali, Spin 1038, 29th March 2006.
- “Bebo and online social networks”, Lunchtime with Brendan O’Brien, Newstalk, 29th March 2006.
- “Colleges ban Bebo”, Enda Feeney, Daily Mail, 27th March 2006.
- “Colleges put stop to Bebo.com craze”, Mark Tighe, Sunday Times, 26th March 2006.
- “Prepare for the power of the blog”, Liam Reid, Irish Times, 21st March 2006.
- “King-size kudos for web author Twenty Major”, Jon Ihle, Irish Times, 13th March 2006.
- “NUI Galway researcher up for national award”, Julie Tierney, Galway Advertiser, 3rd November 2005.
- “Tech forum aims to share IT ideas”, Sunday Business Post, 4th September 2005.
- “TechCamp to foster innovation”, Silicon Republic, 29th August 2005.
- “Techie forum comes to Ireland”, Business Plus, 29th August 2005.
- “Rewriting the rule books”, BBC News, 15th August 2005.
- “Interview with John Breslin”, The Breakfast Show, Anna Livia FM, 10th August 2005.
- “Friend of a friend”, Five Seven Live, RTÉ Radio 1, 2nd September 2004.
- “Workshop in NUI is to take the mystery out of the Internet”, Connacht Sentinel, 31st August 2004.
- “Social networking and the Semantic Web”, Future Tense, RTÉ Radio 1, 31st August 2004.
- “At the cutting edge of computer science: meet Dr. John Breslin, helping to engineer the future of the Web”, Forfás and science.ie, 1st June 2004.

## PRIZES AND DISTINCTIONS

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- Nominee for the President's Award for Teaching Excellence at the University of Galway [2023]
- Winner of the Best Irish-Published Book of the Year at the Irish Book Awards [2020]
- Nominee for the President's Award for Teaching Excellence at NUI Galway [2020]
- Winner of the President's Award (Business Person of The Year) at the Galway Chamber Business Awards [2019]
- Winner of the President's Award for Societal Impact at NUI Galway [2019]
- Co-Supervisor and Co-Author of the Best Student Paper Award at the 12th International Conference on Internet and Distributed Computing Systems (IDCS 2019) [2019]
- Nominee for the President's Award for Research Excellence at NUI Galway [2018]
- Nominee for the President's Award for Teaching Excellence at NUI Galway [2018]
- Winner of the Best Paper Award at the 8th International Conference on the Internet of Things (IoT 2018) [2018]
- Winner of the Runner-Up Poster Award for “Entrepreneurial Skills Development for Researchers and Innovators” at the 13th European Conference on Innovation and Entrepreneurship (ECIE 2018) [2018]
- Winner of the Best Paper Award at the Workshop on Deep Learning for Knowledge Graphs and Semantic Technologies (DL4KGS 2018) [2018]
- Winner of the Best Poster Award at the MIT Innovation Ecosystem (iEcosystem) Symposium [2017]
- Listed #1 on the Lovin Media Group’s “50 Incredible People Who Are Shaping Modern Ireland” [2017]
- Winner of the Outstanding Contribution to the ICT Sector Award from ITAG (Information Technology Association of Galway) [2016]
  - This excellence award is conferred on an individual (or organisation) that has made a measurable, sustained and lasting contribution to the development of Galway / West of Ireland region as an IT / software hub of international renown
- Winner of the Best Research and Innovation Paper Award at the 12th International Conference on Semantic Systems (SEMANTiCS 2016) [2016]
  - Senior author on this paper about “Exploring Dynamics and Semantics of User Interests for User Modeling on Twitter for Link Recommendations”
- Finalist in the Research2Business Award from Knowledge Transfer Ireland (Central TTO) [2014]
  - One of four shortlisted finalists for this award, drawn from 16 nominations
  - Celebrates excellence in engagement between researchers and the business community: collaborative research, contracted services, consultancy, etc.
- Winner of the Best Paper Award for Completed Research at the 7th International Conference on Theory and Practice of Electronic Governance (ICEGOV 2013) [2013]
  - Co-author on this paper about “Harnessing the Duality of e-Participation - Social Software Infrastructure Design”
  - Top egovernment conference worldwide, organised yearly by the United Nations University
- Winner of the ESWC Seven-Year Most Influential Paper Award [2012]
  - Lead author on “Towards Semantically Interlinked Online Communities”, one of my top-cited papers
  - Main outcome was a concrete ontology that is still being used and that has been adopted by many others: website builders, tool builders, etc.
  - According to the judges: *“The authors were visionary on the approach seven years ago, the sustainability and impact of the research corroborated by the fact that SIOC is a de facto standard that is used today. The SIOC ontology has become one of the most used in the field, challenging FOAF in terms of most used outside of those supported by Google and Facebook. It has influenced numerous other pieces of work.”*
- Winner of the Prize Paper Award in the IEEE Transactions on Power Electronics [2000]

- Co-recipient of this prestigious award from the IEEE Power Electronics Society for the paper “Optimizing the AC Resistance of Multilayer Transformer Windings with Arbitrary Current Waveforms”
- Awarded Power Electronics Ireland (Enterprise Ireland) postgraduate scholarship for my PhD studies [1994]
- Won various awards as an entrepreneur
  - Winner of the Irish Internet Association’s Net Visionary Award for online trader [2006]
  - Winner of the Irish Internet Association’s Net Visionary Award for social contribution [2005]
  - Winner of a Golden Spider Award in the dot.ie readers’ choice category [2001]
  - Winner of a Zddy Award for the best community and leisure website [2001]
  - Runner-up in the National Internet Business Awards (NIBA) under the NTL Web Ireland readers’ choice category [2000]

## PROFESSIONAL ACTIVITIES

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### **External Examiner**

- Undergraduate Certificate in Innovation & Entrepreneurship, The Innovation Academy / Tangent, Trinity College Dublin [2017 – 2020]

### **Academic and Research Boards and Committees**

- Member of the Trace Alliance Data Interoperability and Semantic Web Working Group [2021 – Present]
- Member of the Panel of Experts and Funding Release Management Board, EC Horizon 2020 IN-CLUSILVER Project [2017 – 2019]
- Member of the Engineering and Computer Science Committee, Royal Irish Academy [2016 – 2018]
  - Provided input to the Department of Education and Skills’ STEM Education Policy and Implementation Plan for Schools
  - Contributed to the EU Commission Secretariat’s Horizon 2020 Societal Challenge 6 Work Programme 2018-2020
  - Suggested actions to the Gender Equality Taskforce of the Higher Education Authority
- Technical Committee Member, The IEEE Industrial Electronics Society (IES) Technical Committee on Cloud and Wireless Systems for Industrial Applications [2014 – Present]
- Dissemination Chair and Member of the Executive Scientific Board and the Management Committee, COST Action IC1302, “KEYSTONE - Semantic Keyword-Based Search on Structured Data Sources” [2013 – 2017]
- Steering Committee Member, The International AAAI Conference on Weblogs and Social Media (ICWSM) [2012 – 2019]
- Member of the User Advisory Board, EC FP7 ROBUST Project [2011 – 2013]
- Vice-Chair and Founding Member, International Federation for Information Processing (IFIP) Working Group 12.7 on Social Networking Semantics and Collective Intelligence [2010 – Present]

### **Editorial Boards**

- Editorial Board, International Journal of Health Geographics (Impact Factor 3.2) [2017 – Present]
- Editorial Board, AAAI AI Magazine [2015 – 2017]
- Guest Editor, Special Issue on Dataset Profiling and Federated Search for Linked Data, International Journal on Semantic Web and Information Systems (IJSWIS) [2016]

- Managing Editor, International Journal on Semantic Web and Information Systems (IJSWIS) [2014 – 2015]
- Editorial Board, International Journal on Semantic Web and Information Systems (IJSWIS) [2013 – 2014]
- Editorial Board, Special Issue on the Role of Semantics in Smart Cities, IOS Press Semantic Web Journal (SWJ)
- Editorial Board, International Journal of Interactive Communication Systems and Technologies (IJICST)
- Editorial Board, Transactions on Computational Collective Intelligence (TCCI), Springer LNCS
- Guest Editor, International Journal of Autonomous and Adaptive Communications Systems (IJAACS), Special Issue on Ubiquitous Deployments of Body Sensor Networks
- Guest Editor, Elsevier Journal of Web Semantics, Special Section on the Semantic and Social Web [2013]
- Guest Editor, Elsevier Journal of Computers in Industry, Special Issue on Semantic Web Computing in Industry [2010]

## Journal Reviews

- International Journal of Environmental Research and Public Health (2023)
- AI Communications (2017)
- Journal of Data and Information Quality (2015, 2016)
- Journal of Homeland Security and Emergency Management (2014)
- Elsevier Journal of Computers in Industry (2010, 2011, 2014)
- IEEE Internet Computing (2010, 2011, 2013)
- Science Communication (2013)
- Transactions on Computational Collective Intelligence (2010, 2011, 2012, 2013)
- Elsevier Journal of Web Semantics (2007, 2008, 2009, 2010, 2012)
- IEEE Spectrum (2011)
- Springer Book Series (2010)
- IEEE Intelligent Systems (2009)
- IEEE Computer Magazine (2008)
- International Journal of Health Geographics (2008)
- IEEE Transactions on Power Electronics (2004)
- IEEE Letters on Power Electronics (2004)
- Journal of Circuits, Systems and Computers (2003)



With Lada Adamic (Facebook), Igor Perisic (LinkedIn), Jimi Shanahan (Church & Duncan) at ICWSM-12  
[Picture from Irish Times]

## Conference Chairs and Organisation

- Conference Local Chair, The 29th ACM International Conference on Information and Knowledge Management (CIKM 2020)
- Planning Committee, The 2020 American Bar Association EMEA Conference: Law, Technology and Innovation
- Advisory Committee, The 5th IEEE Games, Entertainment and Media Conference (GEM 2018)
- Conference Workshops Chair, The 12th Extended Semantic Web Conference (ESWC 2015)
- Conference General Chair, The 6th International AAAI Conference on Weblogs and Social Media (ICWSM-12)
  - Brought the premier social media research conference to Ireland in 2012
  - Oversaw an increase in the number of submissions (from 260 to 274) and had a record number of attendees (345)
  - Keynotes from Andrew Tomkins, Lada Adamic, Robin Dunbar, Igor Perisic
  - Co-organised the conference's first Industry Day to connect Irish-based social media companies (NewsWhip, Storyful, Datahug) with the conference's top social media researchers
- Conference Tutorials and Workshops Chair, The 5th International AAAI Conference on Weblogs and Social Media (ICWSM-11)
- Conference General Chair, The 7th International Conference on Social Software (BlogTalk 2010)
  - Keynotes from Stowe Boyd, Dan Gillmor, Blaine Cook
- Conference Programme Chair, The 6th International Conference on Social Software (BlogTalk 2009)
  - Keynotes from Isaac Mao, Yeonho Oh
- Conference General Chair, The 5th International Conference on Social Software (BlogTalk 2008)
  - Keynotes from Salim Ismail, Nova Spivack, Michael Breidenbrücker
- Conference Organising Committee, The 31st IEEE Power Electronics Specialists Conference (PESC 2000)
- Conference Organising Committee, The 29th Universities Power Engineering Conference (UPEC 1994)

## Workshop Chairs and Organisation

- Workshop Organiser, VistaMilk Blockchain in Agriculture Masterclass 2020
- Workshop Programme Chair, The 7th International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2020) at the 19th International Semantic Web Conference (ISWC 2020)
- Workshop Programme Chair, The 6th International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2019) at the 18th International Semantic Web Conference (ISWC 2019)
- Workshop Programme Chair, The International Workshop on Profiling and Searching Data on the Web (PROFILES & DATA:SEARCH 2018) at the 27th Web Conference 2018 (TheWebConf 2018)
- Workshop Sponsorship Co-Chair, The 1st Workshop on Hybrid Human-Machine Computing (HHMC 2017)
- Workshop Programme Chair, The 4th International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2017) at the 16th International Semantic Web Conference (ISWC 2017)
- Workshop Programme Chair, The 3rd International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2016) at the 13th Extended Semantic Web Conference (ESWC 2016)
- Workshop Programme Chair, The 6th Workshop on Semantics for Smarter Cities (S4SC 2015) at the 14th International Semantic Web Conference (ISWC 2015)

- Workshop Programme Chair, The 2nd International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2015) at the 12th Extended Semantic Web Conference (ESWC 2015)
- Workshop Programme Chair, The 5th Workshop on Semantics for Smarter Cities (S4SC 2014) at the 13th International Semantic Web Conference (ISWC 2014)
- Workshop Programme Chair, The 3rd Workshop on Semantic Web Collaborative Spaces (SWCS 2014) at the 13th International Semantic Web Conference (ISWC 2014)
- Workshop Programme Chair, The 1st International Workshop on Dataset PROFILING and fEderated Search for Linked Data (PROFILES 2014) at the 11th Extended Semantic Web Conference (ESWC 2014)
- Workshop Programme Chair, The Semantic Smart City Workshop (SemCity 2013) at the 3rd International Conference on Web Intelligence, Mining and Semantics (WIMS 2013)
- Workshop Programme Chair, The 1st International IFIP Working Conference on Value-Driven Social Semantics & Collective Intelligence (VaSCo 2013) at the 5th International ACM Web Science Conference (WebSci 2013)
- Workshop Programme Chair, The 2nd Workshop on Semantic Web Collaborative Spaces (SWCS 2013) at the 10th Extended Semantic Web Conference (ESWC 2013)
- Workshop Programme Chair, The 1st Workshop on Engineering for Semantic Enterprise (ESE 2012) at the 13th International Conference on Web Information Systems Engineering (WISE 2012)
- Workshop Programme Chair, The 1st Workshop on Semantic Web Collaborative Spaces (SWCS 2012) at the 21st International World Wide Web Conference (WWW 2012)
- Workshop Programme Chair, The 4th International Workshop on Social Data on the Web (SDOW 2011) at the 10th International Semantic Web Conference (ISWC 2011)
- Workshop Programme Chair, The 3rd International Workshop on Social Data on the Web (SDOW 2010) at the 9th International Semantic Web Conference (ISWC 2010)
- Workshop Programme Chair, The International Workshop on Ubiquitous Body Sensor Networks (UBSN 2010) at the 5th Annual International Wireless Internet Conference (WICON 2010)
- Workshop Programme Chair, The International Workshop on Social Networks Interoperability (SNI 2009) at the 4th Annual Asian Semantic Web Conference (ASWC 2009)
- Workshop Programme Chair, The 2nd International Workshop on Social Data on the Web (SDOW 2009) at the 8th International Semantic Web Conference (ISWC 2009)
- Workshop Steering Committee, The 2nd Workshop on Collective Intelligence in Semantic Web and Social Networks (CISWSN 2008) at the 7th IEEE-WIC-ACM Joint International Conference on Web Intelligence (WI 2008)
- Workshop Programme Chair, The 1st International Workshop on Social Data on the Web (SDOW 2008) at the 7th International Semantic Web Conference (ISWC 2008)
- Workshop Programme Chair, The 3rd International ExpertFinder Workshop (PICKME 2008) at the 7th International Semantic Web Conference (ISWC 2008)
- Workshop Organiser, The 1st BarCamp Workshop in Galway (BarCamp Galway)
- Workshop Programme Chair, The 2nd International ExpertFinder Workshop (FEWS 2007) at the 6th International Semantic Web Conference and the 2nd Asian Semantic Web Conference (ISWC 2007 and ASWC 2007)
- Workshop Organiser, The 1st WebCamp Workshop on Social Networks (WebCamp SN)
- Workshop Organiser, The 1st Workshop on Friend of a Friend, Social Networking and the (Semantic) Web (FOAF Galway)

## Conference and Workshop Programme Committees

- The 2nd International Conference on Mathematical Research for Blockchain Economy (MARBLE 2021)
- The 2nd Workshop on Semantic Web for Social Good (SW4SG 2019) at the 18th International Semantic Web Conference (ISWC 2019)
- The 18th International Semantic Web Conference (ISWC 2019)
- The 28th Web Conference 2019 (TheWebConf 2019)

- The International Workshop on Knowledge-Aware Recommender Systems (KaRS 2018) at the 12th ACM Conference on Recommender Systems (RecSys 2018)
- The 1st Workshop on Semantic Web for Social Good (SW4SG 2018) at the 17th International Semantic Web Conference (ISWC 2018)
- The 17th International Semantic Web Conference (ISWC 2018)
- The 14th International Conference on Semantic Systems (SEMANTiCS 2018)
- The 27th Web Conference 2018 (TheWebConf 2018)
- The 16th International Semantic Web Conference (ISWC 2017)
- The 11th International AAAI Conference on Weblogs and Social Media (ICWSM-17), Senior Programme Committee
- The 14th Extended Semantic Web Conference (ESWC 2017)
- The 1st International Linked Startup Workshop (LinkedStartup 2016) at the 15th International Semantic Web Conference (ISWC 2016)
- The 16th International Conference on Electronic Commerce and Web Technologies (ECWEB 2015), Social Web and E-Commerce Track
- The 5th Workshop on Making Sense of Microposts (#microposts2015) at the 24th International World Wide Web Conference (WWW 2015)
- The 9th International AAAI Conference on Weblogs and Social Media (ICWSM-15), Senior Programme Committee
- The 23rd Conference on User Modelling, Adaptation and Personalization (UMAP 2015)
- The Workshop on Inclusive Web Programming: Programming on the Web with Open Data for Societal Applications (IWP 2014)
- The 13th International Semantic Web Conference (ISWC 2014)
- The 8th International AAAI Conference on Weblogs and Social Media (ICWSM-14), Senior Programme Committee
- The 4th Workshop on Making Sense of Microposts (#microposts2014) at the 23rd International World Wide Web Conference (WWW 2014)
- The 11th Extended Semantic Web Conference (ESWC 2014)
- The 23rd International World Wide Web Conference (WWW 2014), Web Science Track
- The 22nd Conference on User Modelling, Adaptation and Personalization (UMAP 2014)
- The International Conference on High Performance Compilation, Computing and Communications (HP3C 2014), Technical Programme Committee
- The 7th International AAAI Conference on Weblogs and Social Media (ICWSM-13), Senior Programme Committee
- The 12th International Semantic Web Conference (ISWC 2013)
- The 3rd Workshop on Making Sense of Microposts (MSM 2013) at the 22nd International World Wide Web Conference (WWW 2013)
- The 10th Extended Semantic Web Conference (ESWC 2013), Industrial and In Use Track
- The 1st Workshop on Knowledge Extraction and Consolidation from Social Media (KECSM 2012) at the 11th International Semantic Web Conference (ISWC 2012)
- The 11th International Semantic Web Conference (ISWC 2012)
- The 2nd Workshop on Making Sense of Microposts (MSM 2012) at the 21st International World Wide Web Conference (WWW 2012)
- The 4th Workshop on Ontology Driven Information Systems Engineering (ODISE 2012) at the 7th International Conference on Formal Ontology in Information Systems 2012 (FOIS 2012)
- The 5th International AAAI Conference on Weblogs and Social Media (ICWSM-11)
- The Workshop on Language in Social Media (LSM 2011) at the 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies (ACL HLT 2011)
- The 22nd ACM Conference on Hypertext and Hypermedia (HT 2011), Social Media Track
- The 1st Workshop on Making Sense of Microposts (MSM 2011) at the 8th Extended Semantic Web Conference (ESWC 2011)
- The 8th Extended Semantic Web Conference (ESWC 2011), Social Web and Web Science Track
- The 2nd Workshop on the Social Mobile Web (SMW 2010) at the 12th International Conference on Human Computer Interaction with Mobile Devices and Services (MOBILEHCI 2010)

- The 4th Irish Human Computer Interaction Conference (ICHI 2010)
- The International Workshop on Linking of User Profiles and Applications in the Social Semantic Web (LUPAS 2010) at the 7th Extended Semantic Web Conference (ESWC 2010)
- The International Conference on Intelligent Semantic Web: Services and Applications (ISWSA 2010)
- The Workshop on the Future of the Web For Collaborative Science (FWCS 2010) at the 19th International World Wide Web Conference (WWW 2010)
- The International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2010)
- The 4th International AAAI Conference on Weblogs and Social Media (ICWSM-10)
- The 7th Extended Semantic Web Conference (ESWC 2010), Social Web, In Use, Demonstration and Poster Tracks
- The 1st International Workshop on Data Engineering Meets the Semantic Web (DESWeb 2010) at the 26th IEEE International Conference on Data Engineering (ICDE 2010)
- The 21st National Conference on Artificial Intelligence and Cognitive Science (AICS 2010)
- The 2nd Workshop on Trust and Privacy on the Social and Semantic Web (SPOT 2010) at the 7th European Semantic Web Conference (ESWC 2010)
- The 1st Workshop on Mobile Social Semantic Web (MSSW 2009) at the 4th Annual Asian Semantic Web Conference (ASWC 2009)
- The 1st Asian Workshop on Social Computing and Web Science (ASCWS 2009) at the 4th Annual Asian Semantic Web Conference (ASWC 2009)
- The International Workshop on Mobile, Multimedia, Ad-Hoc and Sensor Networks (MMASN 2009) at the 8th International Conference on Pervasive Intelligence and Computing (PICoM 2009)
- The 1st International Workshop on Collaborative Social Networks (CollaborateSN 2009) at the 5th IEEE International Conference on Collaborative Computing (CollaborateCom 2009)
- The 1st Workshop on the Social Mobile Web (SMW 2009) at the IEEE International Conference on Social Computing (SocialCom 2009)
- The 2nd International Workshop on Community-Based Evolution of Knowledge-Intensive Systems (COMBEK 2009) at the 8th On The Move Federated Conferences and Workshops (OTM 2009)
- The Workshop on Semantic Web Applications in Scientific Discourse (SWASD 2009) at the 8th International Semantic Web Conference (ISWC 2009)
- The 8th International Semantic Web Conference (ISWC 2009)
- The Workshop on Exploiting Structured Information on the Web (ESIW 2009) at the 10th International Conference on Web Information Systems Engineering (WISE 2009)
- The 1st International Conference on Computational Collective Intelligence (ICCCI 2009)
- The Workshop on Coordination, Organization, Institutions and Norms in Agent Systems in Online Communities (COIN 2009) at the Multi-Agent Logics, Languages, and Organisations Federated Workshops (MALLOW 2009)
- The 1st Workshop on Trust and Privacy on the Social and Semantic Web (SPOT 2009) at the 6th European Semantic Web Conference (ESWC 2009)
- The 6th European Semantic Web Conference (ESWC 2009)
- The W3C Workshop on the Future of Social Networking
- The AAAI Spring Symposium on the Social Semantic Web: Where Web 2.0 Meets Web 3.0 (SSW 2009)
- The 3rd Workshop on Social Aspects of the Web (SAW 2009) at the 12th International Conference on Business Information Systems (BIS 2009)
- The 1st International Workshop on Community-Based Evolution of Knowledge-Intensive Systems (COMBEK 2008) at the 7th On The Move Federated Conferences and Workshops (OTM 2008)
- The 1st International Workshop on Data Semantics in Social Computing Systems (DiSCo 2008) at the 7th On The Move Federated Conferences and Workshops (OTM 2008)
- The 3rd Asian Semantic Web Conference (ASWC 2008)
- The 6th IEEE International Workshop on Distributed Mobile Collaboration (DMC 2008)
- The 4th International Conference on Semantic Systems (I-Semantics 2008)
- The 5th European Semantic Web Conference (ESWC 2008)
- The 5th European Semantic Web Conference (ESWC 2008), Demonstration Track
- The European Web Technologies Conference (XTech 2008)

- The 17th International World Wide Web Conference (WWW 2008)
- The 2nd Workshop on Social Aspects of the Web (SAW 2008) at the 11th International Conference on Business Information Systems (BIS 2008)
- The 2nd International AAAI Conference on Weblogs and Social Media (ICWSM-08)
- The 5th International Conference on Social Software (BlogTalk 2008)
- The 6th International Semantic Web Conference and the 2nd Asian Semantic Web Conference (ISWC 2007 and ASWC 2007)
- The 1st International Conference on Advances in Semantic Processing (SEMAPRO 2007)
- The 1st SABRE Conference on the Social Semantic Web (CSSW 2007)
- The 1st Workshop on Social Aspects of the Web (SAW 2007) at the 10th International Conference on Business Information Systems (BIS 2007)
- The 31st IEEE Power Electronics Specialists Conference (PESC 2000)

## **Additional Conference and Workshop Reviews**

- The 2020 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2020)
- The 1st International Workshop on Ontologies in Interactive Systems (ONTORACT 2008) at the 22nd British HCI Group Annual Conference (HCI 2008)
- The 16th Conference on Information and Knowledge Management (CIKM 2007)
- Knowledge Web PhD Symposium (KWEPSY 2007)
- The 5th International Conference on Ontologies, Databases, and Applications of Semantics (ODBASE 2006)
- The 5th International Semantic Web Conference (ISWC 2006)
- The 15th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2006)
- Knowledge Web PhD Symposium (KWEPSY 2006)
- The 14th International World Wide Web Conference (WWW 2006)
- Workshop on the Semantic Desktop (SEMDESK 2005) at the 4th International Semantic Web Conference (ISWC 2005)
- Workshop on Semantics in Peer-to-Peer and Grid Computing (SEMPGRID 2004) at the 13th International World Wide Web Conference (WWW 2004)
- Demonstration Session at the 3rd International Semantic Web Conference (ISWC 2004)

## **Session Chairs**

- Plenary Session V, “Revisiting Networks and Their Fundamentals”, The 8th International AAAI Conference on Weblogs and Social Media (ICWSM-14)
- Session 17, “Free Content”, The 1st International Wikimedia Conference (Wikimania 2005)
- Session FP 25.1, “Group Processes and Self-Organisation: Social Networks, Tribal- and Open Communities, Peace Education”, The 2nd IADIS International Conference on Web-Based Communities (WBC 2005)
- Session 23, “PWM DC-DC Converters”, The 31st IEEE Power Electronics Specialists Conference (PESC 2000)

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## **TEACHING EXPERIENCE**

Over my years of teaching, I have granted 25,730 ECTS, i.e. (ECTS × students) totalled over all time. I have an ECTS turnover of over 2,200 ECTS, i.e. (ECTS × students) per year on average in recent years.

In my modules, I have taught 7,370 students. In total, I have taught 4,367 unique students (i.e. taking into account people taught on multiple modules).

### **Postgraduate Diploma/Masters in TechInnovation**

- GS5105 TechInnovate I: Needs Finding to Concept Generation (2016 - 2018, 2019 - 2020)
- GS5106 TechInnovate II: Concept Development and Implementation (2016 - 2018)

### **Masters in Digital Media**

- DM110 Emerging Web Media (2006 - 2008)

### **Bachelors in Information Technology**

- EE130 Fundamentals of Electrical & Electronic Engineering I (2010 - 2016, 2018 - Present)
- CT108 Next Generation Technologies I: Semantic Web (2005 - 2007)
- CT433.iii Advanced Studies in IT: Semantic Web and Web Services (2004 - 2006)

### **Masters in Engineering**

- EE6102 Power Systems (2018 - Present)

### **Bachelors in Engineering**

- EE4103 / EE5103 Digital Control Systems for Automation and Robotics (2023 - Present)
- EE4100 / EE5120 Digital Control Systems (2011 - 2022)
- EE450 / EE6102 Power Systems (2018 - Present)
- EE231 Electronic Instrumentation and Sensors (2013 - 2016, 2018 - Present)
  - Includes classes on the Internet of Things
- EE219 Analogue Systems Design I (2013 - 2016)
- EI140 / CE141 Fundamentals of Engineering (2012 - 2016, 2018 - Present)
- EE131 Fundamentals of Electrical & Electronic Engineering II (2011 - 2012)
- EE130 Fundamentals of Electrical & Electronic Engineering I (2010 - 2012)
- EE206.ii Microprocessor Systems Engineering II (2009 - 2013)
  - Taught the first course on the Arduino at NUI Galway
  - Supervised 55 different Arduino projects ranging from ethernet-connected sensor loggers to Gmail audiovisual notifiers
- EE211 Analogue Systems Design I (2008 - 2013)
- EE109 Fundamentals of Electronic Engineering (2008 - 2010)
- EE211 / EE322 Analogue Systems Design I (2003 - 2004)
- EE207 Digital Systems I (2003 - 2004)
- EE308 Signals and Communications (2000 - 2004)
- EE321 Analogue Systems Design II (2000 - 2003)

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### **ACADEMIC CONTRIBUTIONS AND COMMUNITY LEADERSHIP**

## Discipline / Unit

- Supervisor of Valeo Prize-winning third year undergraduate project students, Brian Kelly and David Kong [2023]
- Programme Director for TechInnovate [2016 – Present] and AgInnovate [2018 – Present]
  - Having been selected for the competitive Entrepreneurship Development Program<sup>2</sup> from MIT Sloan Executive Education in 2017, adopted the MIT Disciplined Entrepreneurship process for TechInnovate
  - Received seed funding for nine 10-month, full-time, stipend-supported entrepreneurship fellowships where interdisciplinary teams from engineering, business and design backgrounds aligned unmet domain needs with a market opportunity through a technology innovation
  - Received Springboard+ funding for 30-35 participants on the MSc in AgInnovation each year from 2018 to 2026
  - Received Springboard+ funding for 33 participants on the Postgraduate Diploma in TechInnovation in 2017: “*Very good proposal, well researched with good references. Proposal identifies a skills need in the region demonstrating that there is a pool of candidates.*”
  - Brought entrepreneurship skills to 33 PhDs/postdocs during a one-week intensive module in 2017
  - Delivered intrapreneurship training to 15 industry professionals in 2017 and 15 more in 2018
  - Ran five workshops in Blackstone LaunchPad and in the PorterShed in 2017 and 2018
  - Also promotes Galway as a hub for tech/medtech startups/companies through the Galway Startup Guide, the Galway Tech Map and the Galway Medtech Map, which have in turn attracted more companies to the region
  - More recently, created maps for Galway Marine Innovation, Creative Galway and the Western AgInnovation Ecosystem at <https://github.com/techinnovate>
- Academic Simplification Director for Electrical & Electronic Engineering [2012 – 2016]
- Procurement Committee Member for Electrical & Electronic Engineering [2011 – 2012]
- Administrator for Electrical & Electronic Engineering social media presences on Twitter and Facebook [2010 – Present]
- Course Director for the BE Degree in Engineering Innovation (Electronic) [2010 – 2012]
- Module Coordinator for IE326 Oral & Written Communications and IE214 Graphic Communications [2010 – 2012]
- Marketing Committee Member for Electrical & Electronic Engineering [2010 – 2012]
- Lab Champion for Innovation and Project Laboratory in the New Engineering Building [2010 – 2011]
- Open Day Coordinator for Electrical & Electronic Engineering [2009 – 2010]
- Laboratory Director for First Year Electronic Engineering [2008 – 2012]
  - Includes students from Second Year Mechanical and Biomedical Engineering
  - Coordinator of “Beat the Box” labs for Undenominated Engineering
- PEP Coordinator for Electrical & Electronic Engineering [2008 – 2011]
- Member of the World Wide Web Consortium (W3C) Advisory Committee (Representing DERI) [2008]
- Member of the Engineering Faculty’s Academic Affairs Committee [2003 – 2004]
- Supervisor of award-winning final year undergraduate project student, Sean Coughlan [2003]
  - Winner of the regional Nortel Networks Prize and the IEI Ryan Hanley Prize
  - Runner-up in the national IEI Siemens Young Engineer Awards
- Member of the Library Committee [2001 – 2002]
  - I helped to secure electronic access to IEEE Xplore for the University
- Timetabling Director for Electronic Engineering [2000 – 2004]
- Third Year Laboratory Director for Electronic Engineering [2000 – 2004]

<sup>2</sup><https://executive.mit.edu/blog/bringing-the-disciplined-entrepreneurship-process-to-ireland-a-q-a-with-edp-participant>

## School / College

- Progression Interview Board for Lecturer Above the Bar [2022]
- Co-Principal Investigator at the Confirm SFI Research Centre for Smart Manufacturing [2019 – Present]
  - Member of the Confirm Education and Public Engagement Advisory Committee [2021 – Present]
  - Member of the Confirm Strategy Core Team [2019]
- Named Supervisor at the Artificial Intelligence and Data Analytics SFI Centre for Research Training [2019]
- Named Supervisor at the Digitally Enhanced Reality SFI Centre for Research Training [2019]
- Member of the Executive Management Team (formerly Senior Executive Committee) at the Data Science Institute [2019 – Present]
- Promotion for LGBT STEM Day at NUI Galway [2018]
- Funded Investigator at the VistaMilk SFI Research Centre for Precision Pasture-Based Dairying [2018 – Present]
- Funded Investigator at the Confirm SFI Research Centre for Smart Manufacturing [2017 – 2019]
- Co-Principal Investigator (Co-PI) at the Insight SFI Research Centre for Data Analytics [2015 – Present]
  - Insight is Ireland’s largest ICT research centre, funded by Science Foundation Ireland (SFI)
  - Co-PI indicates an independent researcher who co-holds an award from SFI, in this case under the Research Centres programme
- Funded Investigator at the Insight SFI Research Centre for Data Analytics [2013 – 2015]
- Co-Creator of CodeNinja App Competition [2011 – 2014]
  - An app development competition to grow the skillsets of students at NUI Galway and GMIT
  - Established with local SME CEOs (Ex Ordo, OnePageCRM)
  - Hundreds of students have participated in CodeNinja training workshops given by app development experts
  - One of the winner’s iSpeak app went on to feature worldwide as Microsoft’s “App of the Month”
- Mentor for First Year Engineering Students [2011 – 2012]
- Games Fleadh Mentor [2009 – 2012]
  - Mentor of XNA Games Studio runner-up team [2012]
  - Mentor of DirectX challenge winning team [2011]
  - Mentor of Robocup third-place entry [2009]
- Engineering and Informatics Liaison for the Microsoft Imagine Cup [2009 – 2012]
- Member of the College Communications Committee and Chair of Open Day Sub-Committee [2008 – 2010]
- Member of the HEA-funded ICT Working Group at NUI Galway [2008 – 2009]
- Member of multiple Graduate Research Committees in Electrical & Electronic Engineering and Data Science Institute / Insight Research Institute / DERI [2008 – Present]
- Leader of the Unit for Social Semantics (USS) at the Data Science Institute / Insight Research Institute / DERI [2005 – Present]
  - USS is the longest established research group within the institute, established as the Social Software Subcluster

## University

- Speaker at the School of Law Promotions Webinar [2022]
- Member of the Judging Panel, NUI Galway Entrepreneurship Society Startup School [2020]
- Tutor at the Start Me Up Innovation, Creativity and Entrepreneurship Bootcamp for Transition Year Students [2018]
- POC for Naughton Fellowships for Master's Students [2017 – 2018]
  - Fellowships are for University of Notre Dame undergraduates who wish to pursue a Master's degree in Ireland
  - Successfully negotiated inclusion of 16 NUI Galway Master's degrees in the areas of engineering and science
  - These degrees have been listed on the range of programmes of study from 2018 onwards
- Member of the Feedback Panel for Creative Steps as part of the Creative Momentum Project (Interreg Northern Periphery and Arctic Programme) Project [2017]
- Member of the Judging Panel, NUI Galway Entrepreneurship Society Startup School [2017]
- Principal Investigator with the Ryan Institute [2017 – Present]
- Member of Interview Board for University's Press & Information Executive [2017]
- Volunteer of Sample Case Study (Video, Application) for the Senior Lecturer Promotion Scheme [2017]
- Affiliated Researcher with the Plant & AgriBiosciences Research Centre [2016 – Present]
- Member of the Academic Reputation Advisory Board [2016 – Present]
- Member of the Blackstone LaunchPad Academic Stewardship Council [2015 – Present]
- Participant in the W3C Social Web Incubator Group [2015 – 2018]
- Member of the mHealth Research Group [2014 – Present]
- Coordinator of student entrepreneurship taskforce to create a permanent space, student society and point of contact for student entrepreneurs [2013 – 2015]
- Co-Founder and Staff Treasurer for the NUI Galway Entrepreneurship Society (EntreSoc) [2013 – Present]
  - Over 1,400 members have joined this society whose aim is to promote entrepreneurship within the University's student population.
  - Co-organised their startups2students event where 15 startup founders each gave a three-minute pitch to 120 students about internship and job opportunities with their companies, while also inspiring students to start their own companies
- Member of the University's national INSPIRED billboard and media campaign [2012 – 2013]
- Chairperson of Interview Board for University's Online Marketing Officer [2012, 2013]
- Chairperson of Interview Board for Corrib Village Marketing Officer [2012]
- Staff Partner for The New Businessman / Businesswoman, Campus Map App, Laptop Cluster, MyCollegeCal projects (Funded by NUI Galway EXPLORE) [2011 – 2012]
  - NUI Galway Award for Innovative Collaboration for EXPLORE [2012]
- Student Liaison for the Institution of Engineering and Technology [IET] [2010 – Present]
- Member of the NUI Galway Library Strategic Planning Group [2010 – 2011]
- Contributor to Strategic Partnership on Exercise strategy document for NUI Galway [2010]
- Creator and Co-Administrator of NUI Galway social media presence on Twitter @nuigalway and centralised presence on Facebook at facebook.com/nuigalway with stakeholders [2008 – Present]
- Mentor to various NUI Galway student projects in the BComm (ICE module), the BSc in Business Information Systems, Cumarsáide in Acadamh na hOllscolaíochta Gaeilge, the MSc in Enterprise Systems, the BSc in Information Technology, the AUA HDip in Technology Commercialisation, and the HDip in Software Design [2008 – Present]
  - Mentored “Bosca Glas”, 2021 winners of the ICE module

## Professional / Industry / Wider Society

- Judge for the Forbes 30 Under 30 Europe [2022]
- Tenure with Promotion Review for the American University of Beirut [2021]
- Mentor for a Marie Skłodowska-Curie Action SMART 4.0 Fellow [2021 – Present]
- Tenure Review for Associate Professor, College of Staten Island, City University of New York [2020]
- Jury Member for the EIC Accelerator [2020 – Present]
- Contributor to the “Digital Collaboration in the Food and Drink Production Supply Chain” Report for the Internet of Food Things Project [2019]
- Mentor to the Irish Team in the Junior Achievement Europe Company of the Year Competition [2019]
- Submission to the Seanad Public Consultation Committee Report on Small and Medium Sized Businesses in Ireland [2019] [https://data.oireachtas.ie/ie/oireachtas/committee/dail/32/seanad\\_public\\_consultation\\_committee/reports/2019/2019-05-16\\_small-and-medium-sized-businesses-in-ireland.pdf](https://data.oireachtas.ie/ie/oireachtas/committee/dail/32/seanad_public_consultation_committee/reports/2019/2019-05-16_small-and-medium-sized-businesses-in-ireland.pdf)
- Member of the Steering Group for Scale Ireland (formerly the Startup Policy Project) [2019 – Present]
  - Provided input to the White Paper on Enterprise Policy Submission [2022]
  - Provided input to the Pre-Budget Submission for Budget 2020 [2019]
- Member of the Advisory Board for the Copernicus Hackathon Ireland [2019]
- Mentor at SAP.iO Accelerate at the SAP Innovation Center in Potsdam, Germany [2018]
- Member of the Steering Group for Tech/Life Ireland with the Department of Business, Enterprise and Innovation, Enterprise Ireland and the IDA [2018]
- Participant in the Bioeconomy Innovation Platform Group for the Department of Agriculture, Food and the Marine [2018]
- Participant in the Galway 2020 Legacy Conference [2018]
- Mentor at Social Entrepreneurs Ireland Galway Academy [2018]
- Mentor at Bank of Ireland startlab Galway [2018]
- Member of the Regional Mentoring/Judging Panel for SAP.iO Accelerate [2018]
  - One of our SAP Ireland teams was among the eight finalists that were selected from a global entry of 75 teams
- Member of the Judging Panel for the Invest In Ireland Awards [2018 – 2019]
- Member of the Judging Panel for the Defence Forces Chief of Staff Innovation Award [2018]
- Mentor at the BonBillo Social Impact Incubator, Boston, USA [2017 – 2018]
- Member of the Review Panel for the Department of Business, Enterprise and Innovation’s National Policy Statement on Entrepreneurship [2017 – 2018]
  - Invited to the Entrepreneurship Academics Pillar
  - Provided input to the mid-term review and findings from stakeholder consultations
- Member of the Galway Judging Panel, AIB Start-up Academy [2017]
- Member of the Advisory Board, TechIreland.org (previously the Definitive Data Project, Dublin Commissioner for Startups) [2016 – 2017]
- Member of the Judging Panel, Bank of Ireland TY Academy [2016]
- Member of the Regional Judging Board, Bank of Ireland Startup Awards [2016]
- Contributor to the “Computers and Data” Science Apprentice Book [2016]
  - This book was distributed by the Irish Independent, produced by UCD and partners, and supported by SFI Discover and PRTLI
- Member of the Fáilte Ireland Conference Ambassador Club [2015 – Present]
- Co-Founder of Innovating West [2015 – Present]
- Member of the Advisory Panel for the Galway 2020 European Capital of Culture [2015 – 2016]
  - Advised on Galway’s bid for the European Capital of Culture (ECoC)
  - Met with the judging panel during their visit (as a representative of the business community)
  - Galway was awarded European Capital of Culture 2020 in July 2016

- Member of the New Media Consortium Horizon Project Ireland Expert Panel [2015]
- Participant in the Startups Session of the Global Irish Economic Forum [2015]
- Galway City Coordinator and Member of the Steering Group, Startup Gathering [2015]
  - The Startup Gathering was a public/private partnership intended to advance the goal of Ireland becoming a startup hub by 2020
  - Invited by Gerald Nash TD, Minister of State for Business and Employment, to participate on the Steering Group
  - The initiative was led by Startup Ireland, now part of Connect Ireland
- Organiser of the first Galway Startup Weekend [2014]
- NUI Galway ICT Research POC for 20+ prospective companies locating in the Galway region on request from the IDA, including various success stories like CyberScout/IDT911, Genesys, MetLife, Perseus and SOTI [2011 – Present]
- Member of the Judging Board, SCCUL Enterprise Awards [2014, 2015]
- Co-Organiser of Exponential Tech Talks [2012 – 2013]
  - Exponential was a series of tech founder talks held in a casual setting, funded by NUI Galway EXPLORE
  - Speakers included the CEOs of GetHealth, Decisions4Heroes and Redeem&Get
  - Exponential was one of the first mechanisms to foster links between aspiring student entrepreneurs and those already established in the business community
- Social Media Committee Member for the Information Technology Association of Galway (ITAG) [2012]
- Interview Board Member for Lecturer in Computing at the University of Limerick [2009]
- Interviewee about the app economy by RTÉ Nine O'Clock News [2018] and France 24 [2013], about social media on Newstalk [2011], about sensors and smartphone privacy for New Scientist [2010], about the birth of the web for RTÉ Radio 1 Morning Ireland [2010], and other media coverage (over 250 items) [2008 – Present]
  - Quoted by various other media sources on my research topics including Sunday Business Post, Sunday Times, Sunday Tribune, Irish Times, Irish Independent, Irish Examiner, Today FM, Galway Bay FM, TG4, Knowledge Ireland, BBC News, PC World, Washington Post and CNN

## PROFESSIONAL MEMBERSHIPS

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Senior Member, The Institute of Electrical and Electronics Engineers (IEEE)	[1994 – Present]
Member, Engineers Ireland	[2008 – 2019]
Member, The Irish Federation of University Teachers (IFUT)	[2011 – 2017]
Member, The Institution of Engineering and Technology (IET)	[1994 – 2014]

## ENTREPRENEURSHIP AND BOARD / ADVISORY ROLES

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### Founder

- Co-Founder and Non-Executive Director, Galway City Innovation District CLG (PorterShed) [2015 – Present]
  - The first innovation hub in the not-for-profit Galway City Innovation District, the PorterShed, opened in April 2016

- The PorterShed now has over 100 seats, and is home to 44 startup companies
  - It contributes an estimated €15 million per annum to the local economy
  - The average salary is €65,000
  - It has supported the creation of 660 jobs, including graduating companies, scaleups, soft landing successes, acquisitions, and associated support jobs
  - 15 companies have now graduated from the NDRC at PorterShed accelerator
  - 35% of PorterShed's members are female
  - 11 of the 44 member companies based in the PorterShed are led by female founders
  - PorterShed companies have raised over €20 million in funding
  - 550 events have been held in the space since it opened with nearly 10,000 attendees
  - The Galway City Innovation District was widely cited in Ireland's ranking as an "Innovation Leader" country in the International Innovation Scorecard 2018 from the Consumer Technology Association (CTA), the organisation behind CES
  - Featured in Forbes in December 2015
- Co-Founder and Chairman, Startup Galway [2013 – 2016]
  - Not-for-profit organisation with a governing structure
  - An initiative to develop a more entrepreneurial ecosystem in Galway
  - Established with Barry O'Sullivan (ex-SVP Cisco, now Altocloud), Michael FitzGerald (OnePage-CRM), John Brosnan (Netfort)
  - Community of over 900 people and growing, with over 100 at each monthly tech meetup
  - Brings together founders and budding entrepreneurs, students and researchers, government agency representatives, multinational / SME employees, to learn from a successful tech leader
  - Speakers so far include founders and investors (Pat Phelan, Dermot Berkery, Declan Ganley, Paul Kenny, Christopher Byrne, Iseult Ward, Colman Farrell, Mark Bowles, Sean O'Sullivan, Siobhan Maughan, Bob Rosenberg, Mareese Keane, Gareth Keane, Jerry Kennelly)
- Founder, Social Media Ltd. (New Tech Post) [2011 – 2012] and Technology Voice [2012 – Present]
  - Promotes technology innovation and research in Ireland
  - Published a yearly list of 38 Irish and Ireland-based technology women (the 2014 version, syndicated to IrishCentral.com, received over 2,000 social media shares and 10,000 views)
  - Produced the monthly "Technology Voice Show" (podcast and broadcast on Galway's student radio station), discussing Irish tech companies and university / industry research
- Co-Founder, StreamGlider Inc. (real-time streaming newsreader for tablets) [2011 – 2014]
  - Set up with Nova Spivack and the late Bill McDaniel
  - Featured on top tech news site TechCrunch
  - Received investment from SVG Partners (John Hartnett, John Ryan, Barry O'Sullivan)
  - US patent pending (20120227077)
- Co-Founder, Adverts Marketplace Ltd. [2006]
  - adverts.ie is a popular online classified adverts service, and a spin-off company from boards.ie
  - Acquired in a joint venture by Distilled Media Group and Schibsted Media Group in 2015
  - adverts.ie employed about 10 people in Dublin
- Co-Founder, boards.ie Ltd. [2000]
  - Director [2000 – 2018]
  - Ireland's largest forum community, 2.5 million visitors per month
  - boards.ie employed about 12 people in Dublin before its merger with Journal Media Ltd. in 2018
  - Made a 10-year social media dataset available to academic and industrial researchers worldwide, which has been leveraged in the Enterprise Ireland-funded SociaLens, by FP7 Integrated Projects ROBUST, Ecospace and Aristotle, and by research in companies such as HP

## Company Board and Advisory Roles

- Comhalta den Bhord Stiúrthóirí, Gaillimh le Gaeilge [2022 – Anois]
  - Cathaoirleach [2023 – Anois]
- Member of the Board of Directors, WestBIC [2014 – 2022]
  - Chair [2019 – 2021, 2021 – 2022]
  - Vice-Chair [2019, 2021]
  - WestBIC provides advice and services for entrepreneurs planning or starting a new business in the West of Ireland
- Member of the Board of Directors, American Council on Exercise [2013 – 2019]
  - ACE is the largest non-profit fitness certification organisation in the world
  - Director Emeritus [2019 – Present]
  - Secretary (officer of the corporation), Member of the Executive Committee, Member of the Compensation Committee [2017 – 2019]
  - Chair of the Bylaws and Governance Committee [2014 – 2019]
- Advisor to various emerging technology companies
  - AYLIEN (IE): a text analytics framework powered by semantic technologies, and funded by SOSV (Sean O’Sullivan, Bill Liao) and Atlantic Bridge Ventures [2014 – 2023]
  - Pocket Anatomy (IE, based in Ignite TTO at NUI Galway): a 3D human body educational tool for the iPad; winner of The Next Web Best Tech Startup Award in 2014 [2014 – 2019]
  - AISLER (DE): seamlessly integrates the electrical engineering process into a company-wide collaboration platform [2014 – 2016]
  - BuilderEngine (IE): a next-generation HTML5 web builder and CMS [2013 – 2019]
  - BirdLeaf (IE): aggregate demographic analyses of customer prospects simply based on a list of email addresses [2013 – 2016]
  - CrowdGather (US): a discussion forum network [2011 – 2014]

## Colourisation Work

- Imagery for an exhibition on Lady Mary Heath, Foynes Flying Boat & Maritime Museum, 2023.
- Cover for a forthcoming book by Stephen Finlay Archer, 2023.
- Exhibition of “Old Ireland in Colour”, Festival Interceltique de Lorient, France, August 2023.
- Imagery for “Star Wars: Visions Filmmaker Focus — Screecher’s Reach”, 2023. [Unused]
  - Old Ireland in Colour photos were used as references by Cartoon Saloon for “Screecher’s Reach” in the Star Wars universe.
- Front and back cover for the book “Crean: The Extraordinary Life of an Irish Hero”, Tim Foley, Merrion Press, 2023.
- Imagery for a film on the Thompson Dock and Pumphouse, Belfast, 2023 to Present.
- Imagery for Templemore Baths, Belfast, 2023 to Present.
- Imagery for the exhibition “Irish Civil War”, Tipperary Museum of Hidden History, 2023.
- Imagery for the TV series “The Irish Civil War”, Tyrone Productions, RTÉ One, December 2022.
- Imagery for an episode of the TV series, “Tommy Tiernan’s Epic West”, Crossing the Line Productions, December 2022.
- Cover for the album “Rebel Irishwomen”, Claddagh Records, December 2022.
- Cover for the book “No Middle Path: The Civil War in Kerry”, Owen O’Shea, Merrion Press, October 2022.
- Taispeántas “Pictiúir Daite d’Árann Ársa (Old Aran in Colour)”, Áras Dán na Mílaoise, Ollscoil na Gaillimhe, Meán Fómhair go Nollaig 2022.
- Taispeántas “Pictiúir Daite d’Árann Ársa (Old Aran in Colour)”, Áras Éanna, Inis Oírr, Iúil go Meán Fómhair 2022.

- Exhibition of “Old Cork in Colour”, Mitchel Hall, Spike Island, Cork, April to November 2022.
- Exhibition of “Old Ireland in Colour”, Áras Uí Chonghaile (James Connolly Visitor Centre), Belfast, March and April 2022.
- Exhibition of “Old Galway in Colour”, Galway City Museum, Galway, December 2021 to June 2022. <https://www.galwaycitymuseum.ie/blog/old-galway-in-colour-a-word-from-john-breslin/>
- Cover for the book “Kenmare: History and Survival”, Colum Kenny, Eastwood Books, October 2021. [https://wordwellbooks.com/index.php?route=product/product&product\\_id=1983](https://wordwellbooks.com/index.php?route=product/product&product_id=1983)
- Cover for the book “The Songs of Elizabeth Cronin: Irish Traditional Singer”, Dáibhí Ó Cróinín, Four Courts Press, October 2021. <https://www.fourcourtspress.ie/books/new-year-folder/elizabeth-cronin/>
- Imagery for the exhibition “War of Independence”, Tipperary Museum of Hidden History, June 2021.
- Cover for the magazine “When a Princess Came Calling”, Ireland’s Own, June 2021. <https://www.irelandsown.ie/when-princess-grace-came-to-ireland/>
- Cover for the book “Liberty Hall”, Michael O’Loughlin, New Island Books, April 2021. <https://www.newisland.ie/poetry-drama/liberty-hall>
- Imagery for the article “Anglo-Irish War / 100th Anniversary: Go All Out or Get Out”, John Dorney, Britain at War Magazine, March 2021.
- Íomháonna don tsraith teilihíse “Scéalta Grá na hÉireann”, Bo Media, TG4, January 2021. <https://www.imdb.com/title/tt13710598/>
- Imagery for the TV programme “74 Days: The Hunger Strike of Terence MacSwiney”, ForeFront Productions, RTÉ, October 2020. <https://www.imdb.com/title/tt13334754/>
- Imagery for the web series “War of Independence in Colour”, RTE.ie, July and August 2020. <https://www.rte.ie/author/1151129-john-breslin/>
- Poster for the theatre production “DruidGregory”, Druid Theatre, September 2020. <https://www.druid.ie/productions/druidgregory>
- Cover for the book “Art, Ireland, and the Irish Diaspora”, Éimear O’Connor, Irish Academic Press, September 2020. <https://irishacademicpress.ie/product/art-ireland-and-the-irish-diaspora/>
- Cover for the book “The Comeraghs: Gunfire and Civil War”, Waterford County Museum, May 2020. <https://www.amazon.com/Comeraghs-Gunfire-Civil-War-1914-1924-ebook/dp/B0894QXYX3>

## REFERENCES

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Referees are available on request.

Recommendations from discipline / institute leadership:

- Professor Manfred Hauswirth, Former Vice Director, DERI: “John is one of the most creative and innovative people I know. I am always surprised how he can work on so many things in such great detail in parallel and come up with really great results. Besides being an excellent researcher, John is truly a committed teacher, always trying to support his students in the best possible way.”
- Professor David Wilcox, Former Head of Department, Electronic Engineering: “John Breslin is dedicated and sincere in all his work. He is exceptionally talented and can be relied on to perform perfectly any assignment. He is versatile and rapidly adapts to new developments. It is a pleasure to see John establish himself as a deserving international leader in his field.”