Professor John Gerard Breslin

Address

3047, Alice Perry Engineering
University of Galway
University Road, Galway
H91 TK33, Ireland

Contact

john.breslin@universityofgalway.ie
`www.johnbreslin.com`
Mobile +353867292622
Office +35391492622

SUMMARY

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

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PROFESSIONAL EXPERIENCE

Personal Professor in Electronic Engineering (2019 – Present)
Senior Lecturer (2014 – 2019)
Lecturer Above the Bar (2008 – 2014)
Discipline of Electrical & Electronic Engineering, 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

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

Research Interests

- Data Science; Artificial Intelligence; Social Semantics; Social Media; Semantic Web
- Agricultural Technology; Smart Manufacturing; Innovation and Entrepreneurship
- Electrical and Electronic Engineering; Power and Energy; Sensors and Internet of Things

Research Activity

Total refereed papers:	351
Total books / book chapters:	9 / 19
Total PhDs / Master's graduated:	24 / 8
Total University of Galway funding as budget holder:	€11,685,894
Total University of Galway funding as PI / Co-PI:	€58,160,470
Current size of team:	18 (4 postgraduates; 10 postdocs; 2 lecturers; 2 admins)
Best paper awards:	ACM SAC, IDCS, IoT, DL4KGS, SEMANTiCS, ICEGOV, ESWC, IEEE PELS
Journals reviewed for:	20
Conference / workshop chairs:	5 / 20
Conference / workshop programme committees:	40 / 30
Other relevant indicators:	Co-PI on the €64 million Insight Research Centre Phase 2 grant
	Co-PI on the €25 million Confirm Research Centre grant
	Co-PI on the €57 million Insight Research Centre grant
	Co-PI on the €19 million DERI Líon II CSET grant
	Project Leader for the €12 million DERI Líon I CSET grant from 2006 – 2008

PUBLICATIONS

My ORCID is 0000-0001-5790-050X. According to Google Scholar, my h-index is **57** and I have **13,000** citations. My top cited publications (with over 350 citations) are: "Crowdsourcing, Citizen Sensing and Sensor Web Technologies for Public and Environmental Health Surveillance and Crisis Management" (cited by 638, third most-accessed paper in the journal); "Optimizing the AC Resistance of Multilayer Transformer Windings with Arbitrary Current Waveforms" (cited by 501); "Big Data and Stream Processing Platforms for Industry 4.0: Requirements Mapping for a Predictive Maintenance Use Case" (cited by 434); "The Social Semantic Web" (cited by 386) "A Hierarchical Model of Reviews for Aspect-Based Sentiment Analysis" (cited by 372); "Optimized Transformer Design: Inclusive of High Frequency Effects" (cited by 371); "Towards Semantically Interlinked Online Communities" (cited by 367); and "The Future of Social Networks on the Internet: The Need for Semantics" (cited by 360).

I have collaborated with about **310** other authors, including academic, government and industrial co-authors in organisations such as Cisco Systems, Harvard Medical School, IBM, the US Government's Department of Health and Human Services. My publications have been cited in patents granted to Cisco Systems, 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, and "Old Ireland in Colour 3" was released in 2023. Combined, the three books have sold over 133,000 copies.

"The Social Semantic Web" has been 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 15,000 times.

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 R 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 Troussov, 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] Hager Ahmed, Michael McCann, John G Breslin, and Shaker El-Sappagh. "Beyond Classical Approaches: Fine-Tuning Clinical BERT Models on Structured Data for Alzheimer's Disease Diagnosis". In: *Journal of Advances in Information Technology* (2025). ISSN: 17982340.

[30] M Jaleed Khan, John G Breslin, and Edward Curry. "KnowZRel: Common Sense Knowledge-Based Zero-Shot Relationship Retrieval for Generalised Scene Graph Generation". In: *Transactions on Artificial Intelligence* (2025). ISSN: 26914581.

[31] Priyanka Verma, Donna O'Shea, Thomas Newe, Nakul Mehta, Nitesh Bharot, and John G Breslin. "ABIDS-VEM: Leveraging an Equilibrium Optimizer and Data Ramification in Association with Ensemble Learning for Anomaly-Based Intrusion Detection System". In: *Journal of Supercomputing* (2025). ISSN: 09208542.

[32] Anupa De Silva, Subhasis Thakur, and John G Breslin. "An Integrated Stablecoin and Subsidised Node Design for Payment Channel Networks". In: *IEEE Access* (Oct. 2024). ISSN: 21693536. DOI: 10.1109/ACCESS.2024.3477258.

[33] Anupa De Silva, Subhasis Thakur, and John G Breslin. "Card Payment Protocol for Cryptocurrencies with Payment Channel Network". In: *Distributed Ledger Technologies* (Mar. 2024). ISSN: 27696480. DOI: 10.1145/3653681.

[34] M Jaleed Khan, Filip Ilievski, John G Breslin, and Edward Curry. "A Survey of Neurosymbolic Visual Reasoning with Scene Graphs and Common Sense Knowledge". In: *Neurosymbolic Artificial Intelligence Journal* (May 2024). ISSN: 29498732. DOI: 10.3233/NAI-240719.

[35] Atiya Usmani, Saeed H Alsamhi, M Jaleed Khan, John G Breslin, and Edward Curry. "MuSeCarASTE: A Comprehensive Dataset for Aspect Sentiment Triplet Extraction in Automotive Review Videos". In: *Expert Systems With Applications* (Nov. 2024). ISSN: 18736793. DOI: 10.1016/j.eswa.2024.125695.

[36] 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* 70.1 (Feb. 2024), pp. 3856–3866. ISSN: 00983063. DOI: 10.1109/TCE.2023.3335385.

[37] 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.

[38] Priyanka Verma, John G Breslin, Donna O'Shea, Nakul Mehta, Nitesh Bharot, and Ankit Vidyarthi. "Leveraging Gametic Heredity in Oversampling Techniques to Handle Class Imbalance for Efficient Cyberthreat Detection in IIoT". In: *IEEE Transactions on Consumer Electronics* 70.1 (Feb. 2024), pp. 1940–1951. ISSN: 00983063. DOI: 10.1109/TCE.2023.3319439.

[39] Ankit Vidyarthi, Priyanka Verma, Nitesh Bharot, John G Breslin, Donna O'Shea, Anand K Mishra, and Deepak Gupta. "Leveraging Transfer Learning Domain Adaptation Model with Federated Learning to Revolutionise Healthcare". In: *Expert Systems* (2024). ISSN: 14680394.

[40] Abdul Wahid, John G Breslin, and M Intizar Ali. "TCRSCANet: Harnessing Temporal Convolutions and Recurrent Skip Component for Enhanced RUL Estimation in Mechanical Systems". In: *Human-Centric Intelligent Systems* (Jan. 2024). ISSN: 26671336. DOI: 10.1007/s44230-023-00060-0.

[41] Rory Ward, Dan Bigioi, Shubhajit Basak, John G Breslin, and Peter Corcoran. "LatentColorization: Latent Diffusion-Based Speaker Video Colorization". In: *IEEE Access* (May 2024). ISSN: 21693536. DOI: 10.1109/ACCESS.2024.3406249.

[42] Muhammad Yahya, Abdul Wahid, Lan Yang, John G Breslin, Evgeny Kharlamov, and M Intizar Ali. "Link Prediction in Industrial Knowledge Graphs: A Case Study on Football Manufacturing". In: *IEEE Access* (June 2024). ISSN: 21693536. DOI: 10.1109/ACCESS.2024.3419911.

[43] Satheesh Abimannan, El-Sayed M El-Alfy, Shahid Hussain, Yue-Shan Chang, Saurabh Shukla, Dhivyad-harsini 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.

[44] Shahid Hussain, Reyazur R Irshad, Fabiano Pallonetto, Qasim Jan, Saurabh Shukla, Subhasis Thakur, John G Breslin, Yun-Su Kim, M Ahmad Rathore, and Hesham El-Sayed. "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.

[45] 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.

[46] Jefkine Kafunah, M Intizar 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.

[47] Jefkine Kafunah, Priyanka Verma, M Intizar 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.

[48] M 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.

[49] 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.

[50] Saurabh Shukla, Shahid Hussain, Reyazur R Irshad, Ahmed A Alattab, Subhasis Thakur, John G Breslin, M Fadzil Hassan, Satheesh Abimannan, Shahid Husain, and Syed M 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.

[51] Rory Ward and John G Breslin. "Overcoming Challenges with Automatic Video Colourisation". In: *Engineers Ireland Journal* (Mar. 2023).

[52] Muhammad Yahya, Aabid Ali, Qaiser Mehmood, Lan Yang, John G Breslin, and M Intizar 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.

[53] Muhammad Yahya, Baifan Zhou, John G Breslin, M Intizar 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.

[54] 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.

[55] 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.

[56] 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.

[57] M 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`.

[58] Abderahman Rejeb, John G Keogh, Wayne Martindale, Damion Dooley, Edward Smart, Steven Simske, Samuel F Wamba, John G Breslin, Kosala Y 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`.

[59] Bharath Sudharsan, John G Breslin, Mehreen Tahir, M Intizar 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`.

[60] 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`.

[61] Abdul Wahid, John G Breslin, and M Intizar Ali. "Prediction of Machine Failure in Industry 4.0: A Hybrid CNN-LSTM Framework". In: *Applied Sciences* (Apr. 2022). DOI: `10.3390/app12094221`.

[62] M Intizar 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`.

[63] 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`.

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[65] Jefkine Kafunah, M Intizar 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`.

[66] Sweta Malik, Maeve Duffy, Subhasis Thakur, Barry P 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`.

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[69] Radhya Sahal, Saeed H Alsamhi, John G Breslin, Kenneth N Brown, and M Intizar Ali. "Digital Twins Collaboration for Automatic Erratic Operational Data Detection in Industry 4.0". In: *Applied Sciences* (Apr. 2021). DOI: `10.3390/app11073186`.

[70] Saurabh Shukla, Subhasis Thakur, Shahid Hussain, John G Breslin, and Syed M 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`.

[71] Bharath Sudharsan, John G Breslin, and M Intizar 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`.

[72] Bharath Sudharsan, Pankesh Patel, John G Breslin, M Intizar Ali, Karan Mitra, Schahram Dustdar, Omer Rana, Prem P Jayaraman, and Rajiv Ranjan. "Toward Distributed, Global, Deep Learning Using IoT Devices". In: *Internet Computing* (May 2021). DOI: `10.1109/MIC.2021.3053711`.

[73] Subhasis Thakur and John G Breslin. "Rumour Prevention in Social Networks with Layer 2 Blockchains". In: *The Journal of Social Network Analysis and Mining* 11.104 (Oct. 2021).

[74] Muhammad Yahya, John G Breslin, and M Intizar Ali. "Semantic Web and Knowledge Graphs for Industry 4.0". In: *Applied Sciences* (May 2021). DOI: `10.3390/app11115110`.

[75] 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`.

[76] 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`.

[77] 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`.

[78] Radhya Sahal, John G Breslin, and M Intizar 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`.

[79] 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`.

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Other

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- 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/
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- 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
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FUNDING

Funding as Budget Holder

Period	Funding agency	€ Own / University of Galway total	Role	Title of research project / programme
2024-2025	Research Ireland, DAFM	€92,642	FI	VistaMilk Centre (with Mamoona Asghar) / Research Centre Phase 2
2023-2026	EC	€101,572 / €406,289	PI	Decarbonisation and Digitalisation of Atlantic Ports (ENEPORTS) (with Pau Farràs and Umair Ul Hassan) / Interreg Atlantic Area

Period	Funding agency	€ Own / University of Galway total	Role	Title of research project / programme
2023-2026	EC	€225,781	PI	Advanced Digital Technologies for the Blue Economy (ADT4Blue) / Interreg Atlantic Area
2023-2026	EC	€1,143,029	PI	Data2Sustain / European Digital Innovation Hubs / NextGenerationEU Recovery and Resilience Facility
2023-2023	GÉANT	€30,000	PI	Secure Data Management for Multi-Cloud Environments (SecMC) (with Nitesh Bharot) / Innovation Programme
2022-2027	SFI	€515,504	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	€205,250	PI	OntoCommons / Horizon 2020 DT-NMBP-39-2020
2020-2021	SFI	€87,475	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	€279,100	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	€536,098 / €16,959,531	Co-PI	Insight Centre for Data Analytics / Research Centre Phase 2
2019-2023	SFI, EC	€194,239	PI	Smart Manufacturing Advanced Research Training (SMART 4.0) / Marie Skłodowska-Curie Action COFUND
2019-2022	DBEI	€498,416	Co-PI	Cooperative Energy Trading System (CENTS) (with Subhasis Thakur) / Disruptive Technologies Innovation Fund
2019-2021	SFI, J&J	€147,726	PI	Data Analytics for Intelligent Manufacturing Machines / Targeted Project
2019-2021	EC	€41,480	Co-PI	Circular HRM (with Paul Flynn) / EACEA Erasmus+ Strategic Partnerships
2019-2020	HEA	€235,750	PI	MSc in AgInnovation / Springboard+
2019-2020	EI	€15,707	PI	Blockchain-Enabled Virtual Power Plants as a Service (with Subhasis Thakur) / Coordinator Proposal Preparation Support
2018-2024	SFI, DAFM	€489,524	FI	VistaMilk Centre / Research Centre
2018-2021	EC	€219,227	PI, Coordinator	Startup Skills for Researchers and Innovators in Entrepreneurship Development (STARTED) / EACEA Erasmus+ Programme Knowledge Alliances

Period	Funding agency	€ Own / University of Galway total	Role	Title of research project / programme
2018-2019	EI	€12,430	PI	Dynamic Cybersecurity Infrastructure Simulation (with Subhasis Thakur) / Coordinator Proposal Preparation Support
2018-2019	HEA	€185,707	PI	MSc in AgInnovation (with Paul Flynn) / Springboard+
2018-2019	IERC	€45,707	Co-PI	P2P Energy Trading Using Blockchain (EnerPort) (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	PI	Confirm Centre for Smart Manufacturing / Research Centre
2017-2018	HEA	€171,086	PI	Postgraduate Diploma in TechInnovation / Springboard+
2017-2018	NUI Galway	€220,000	PI	TechInnovate Seed Funding / Galway University Foundation, Office of the President
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	€11,452	PI	Digital Age Narrative Trajectories / Coordinator Proposal Preparation Support
2015-2015	EI	€15,000	PI	Privacy Preference Framework / Commercial Case Feasibility Grant
2015-2015	SFI, NUI Galway	€2,500	Grant Recipient	Inbound Visiting Researcher at NUI Galway / International Strategic Collaboration Award
2015-2015	SFI, NUI Galway	€6,501	Grant Recipient	Outbound Visiting Researcher at the National Institute of Informatics in Tokyo / International Strategic Collaboration Award
2014-2019	SFI	€785,806 / €12,450,025	Co-PI	Insight Centre for Data Analytics / Research Centre
2014-2018	SFI, SAP	€175,000	PI	PhD on Modelling in OSNs for Recommendation / Targeted Project
2014-2017	EC	€12,475 / €112,500	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

Period	Funding agency	€ Own / University of Galway total	Role	Title of research project / programme
2014-2014	SFI	€87,349	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	EC	€291,925	PI, Coordinator	Eurapp Study on the EU App Economy (with Gigaom Research) / Startup Europe Study
2013-2014	SFI	€200,000	FI	Insight Centre for Data Analytics / Research Centre
2013-2013	IRCSET	€9,995	PI	researchers.ie / N/A
2012-2012	SFI	€23,700	PI	AAAI ICWSM-12 Support Grant / Conferences and Workshops Programme
2010-2014	IRCSET, ACE	€72,009	PI	PhD on Physical Activity and Social Networks / Enterprise Partnership Scheme
2010-2014	IRCSET, Cisco Systems	€72,009	Co-PI	PhD on Trust-Aware Privacy Preferences (with Alexandre Passant) / Enterprise Partnership Scheme
2010-2014	IRCSET, Cisco Systems	€72,009	Co-PI	PhD on User Interests on the Social Semantic Web (with Alexandre Passant) / Enterprise Partnership Scheme
2009-2011	IRCSET	€48,006	PI	MEngSc on Social Networks for Irish Researchers / Government of Ireland Postgraduate Scholarship
2009-2010	SFI	€6,226	Grant Recipient	Outbound Visiting Researcher at the National Institute of Informatics in Tokyo / Short Term Travel Fellowship
2008-2013	SFI	€1,229,914 / €19,212,096	Co-PI	DERI Líon II / Centre for Science, Engineering and Technology
2008-2009	EI, TouristR	€197,184	PI	TripPlanr (with Conor Hayes) / Innovation Partnership
2008-2008	EI	€5,000	PI	TouristR Background Research (with Conor Hayes) / 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: 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]
- 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]

COLLABORATIONS

Industry Collaborations

- "Eurapp" with Gigaom Research

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

- 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 Systems

  - 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 Systems 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

  - 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[1] 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)
  - 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

Current Supervisions

- Hassan Khan, PhD, Data Science Institute, School of Engineering, University of Galway, 2023 – Present. Funder: Sustain (Taighde Éireann - Research Ireland) [LinkedIn] [Scholar]
- Rory Ward, PhD, Data Science Institute, School of Engineering, University of Galway, 2021 – Present. Funder: CRT-AI (Taighde Éireann - Research Ireland) [LinkedIn] [Scholar]

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[1] http://www.data.gov/communities/node/116/blogs/20731

Current Co-Supervisions as Secondary Supervisor

- Rishabh Chandaliya, PhD, Data Science Institute, School of Computer Science, University of Galway, 2021 – Present. Co-Supervisor: Martin Serrano. Funder: i3-Market (Horizon 2020) [LinkedIn] [Scholar]
- Atiya Usmani, PhD, Data Science Institute, School of Computer Science, University of Galway, 2018 – Present. Co-Supervisor: Edward Curry. Funder: Insight (Taighde Éireann - Research Ireland) [LinkedIn] [Scholar]

Current Research Fellows

- Dr Subhasis Thakur [IRIS] [LinkedIn] [Scholar]

Current Postdoctoral Researchers/Research Associates

- Dr Ifeoluwapo Aribilola [Co-PI: Dr Mamoona Asghar] [LinkedIn] [Scholar]
- Dr Nitesh Bharot [IRIS] [LinkedIn] [Scholar]
- Dr Ozren Jovic [Co-PI: Dr Galina Brychkova] [LinkedIn] [Scholar]
- Dr Jefkine Kafunah [LinkedIn] [Scholar]
- Zeeshan Malik [LinkedIn]
- Dr Quratulain Rajput [Co-PI: Dr Mamoona Asghar] [LinkedIn] [Scholar]
- Dr Hager Saleh [Co-PI: Dr Michael McCann, ATU] [LinkedIn] [Scholar]
- Mafalda Santos [LinkedIn]
- Dr Mirco Soderi [IRIS] [LinkedIn] [Scholar]

Previous Supervisions

- PhD

  1. Dr Sebastian Ruder, "Neural Transfer Learning for Natural Language Processing", PhD, Data Science Institute, College of Engineering & Informatics, NUI Galway, 2015 – 2019. Examiners: Ivan Titov, Paul Buitelaar. Funder: Irish Research Council and AYLIEN Ltd.
  2. Dr Guangyuan Piao, "Semantics-Aware User Modeling and Recommender Systems in Online Social Networks", PhD, Data Science Institute, College of Engineering & Informatics, NUI Galway, 2014 – 2018. Examiners: Harith Alani, Dietrich Rebholz-Schuhmann. Funder: Insight (Science Foundation Ireland) and SAP
  3. Dr Smitashree Choudhury, "A Social Context-Enabled Framework for the Semantic Enrichment and Integration of Web Videos", PhD, DERI, College of Engineering & Informatics, NUI Galway, 2006 – 2011. Examiners: Lora Aroyo, Stefan Decker. Funder: DERI (Science Foundation Ireland)
  4. Dr Sheila Kinsella, "Augmenting Social Media Items with Metadata using Related Web Content", PhD, DERI, College of Engineering & Informatics, NUI Galway, 2006 – 2011. Examiners: Fabien Gandon, Stefan Decker. Funder: DERI (Science Foundation Ireland)
  5. Dr Uldis Bojars, "The SIOC MEthodology for Lightweight Ontology Development", PhD, DERI, College of Engineering & Informatics, NUI Galway, 2004 – 2009. Examiners: Chris Bizer, Stefan Decker. Funder: DERI (Science Foundation Ireland)
  6. Dr Hak-Lae Kim, "Leveraging a Semantic Framework for Augmenting Social Tagging Practices in Heterogeneous Content Sharing Platforms", PhD, DERI, College of Engineering & Informatics, NUI Galway, 2006 – 2009. Examiners: Tom Gruber, Philippe Laublet, Stefan Decker. Funder: DERI (Science Foundation Ireland)

- Master's

1. Marie Boran, "Understanding Social Media Adoption in the Irish Scientific Community and its Relevance to Interpreting Altmetrics", MApplSc, Insight Research Institute, College of Engineering & Informatics, NUI Galway, 2012 – 2015. Examiners: Tope Omitola, Conor Hayes. Funder: DERI/Insight (Science Foundation Ireland)
2. Julie Letierce, "Understanding If and How the Web Improves Scientific Communication Between its Stakeholders", MEngSc, DERI, College of Engineering & Informatics, NUI Galway, 2009 – 2012. Examiners: Padraig Murphy, Stefan Decker. Funder: DERI (Science Foundation Ireland)
3. Gerard Cahill, "A Web Portal Powered by Social Network Data for Irish Researchers", MEngSc, DERI, College of Engineering & Informatics, NUI Galway, 2009 – 2011. Examiners: Robin Teigland, Stefan Decker. Funder: Irish Research Council for Science, Engineering and Technology

Previous Co-Supervisions as Primary Supervisor

- PhD

1. Dr Yasar Khan, "SPARQL Query Federation over Polystores", PhD, Data Science Institute, School of Engineering, University of Galway, 2016 – 2024. Examiners: Raúl García Castro, Edward Curry. Co-Supervisor: Mathieu d'Aquin. Funder: Insight (Taighde Éireann - Research Ireland) [LinkedIn] [Scholar]
2. Dr Jefkine Kafunah, "Uncertainty-Aware Fault Diagnosis for Safety-Related Industrial Systems", PhD, Data Science Institute, School of Engineering, University of Galway, 2019 – 2023. Examiners: Yi Wang, Edward Curry. Co-Supervisor: Ali Intizar. Funder: Confirm and Insight (Science Foundation Ireland)
3. Dr Bharath Sudharsan, "On-Device Learning, Optimization, Efficient Deployment and Execution of Machine Learning Algorithms on Resource-Constrained IoT Hardware", PhD, Data Science Institute, School of Engineering, NUI Galway, 2019 – 2022. Co-Supervisor: Ali Intizar. Examiners: Thomas Runkler, Edward Curry. Funder: Confirm (Science Foundation Ireland)
4. Dr Safina Showkat Ara, "Exploration Algorithms for Discoverable and Undiscoverable Decentralised Online Social Networks", PhD, Data Science Institute, School of Engineering, NUI Galway, 2015 – 2021. Co-Supervisor: Subhasis Thakur. Examiners: Antonio Moreno, Peter Corcoran. Funder: Insight (Science Foundation Ireland)
5. Dr Hoan Nguyen Mau Quoc, "A Scalable Spatio-Temporal Query Processing for Linked Sensor Data", PhD, Data Science Institute, School of Engineering, NUI Galway, 2012 – 2019. Examiners: Axel Polleres, Juan Miguel Gómez Berbís, Mathieu d'Aquin. Co-Supervisor: Danh Le Phuoc. Funder: OpenIOT (FP7)
6. Dr Ted Vickey, "Just Tweet It: The Collection, Processing, Classification and Analysis of 2 Million Fitness Tweets", PhD, Data Science Institute, Discipline of 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
7. 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, College of Engineering & Informatics, NUI Galway, 2010 – 2016. Co-Supervisor: Adegboyega Ojo. Examiners: Soon Ae Chun, Murray Scott. Funder: DERI/Insight (Science Foundation Ireland) and Cloud4SOA
8. Dr Myriam Leggieri, "Distributional Semantics for Sensors Linking and Selection", PhD, Insight Research Institute, College of Engineering & Informatics, NUI Galway, 2010 – 2015. Examiners: Steffen Staab, Michael Schukat. Co-Supervisors: Brian Davis, Alexandre Passant. Funder: SPITFIRE
9. Dr Owen Sacco, "Trust-Aware Privacy Preferences for Information Sharing on the Web of Data", PhD, DERI, College of Engineering & Informatics, 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

10. Dr Antonio Aguilar, "Design and Evaluation of an Automated Algorithm for Cardiac Risk Stratification", PhD, Discipline of 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
11. Dr Fabrizio Orlandi, "Profiling User Interests on the Social Semantic Web", PhD, DERI, College of Engineering & Informatics, 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
12. Dr Jodi Schneider, "Enabling Reuse of Arguments and Opinions in Open Collaboration Systems", PhD, DERI, College of Engineering & Informatics, NUI Galway, 2009 – 2013. Examiners: Simon Buckingham Shum, Siegfried Handschuh. Co-Supervisors: Alexandre Passant, Stefan Decker. Funder: DERI (Science Foundation Ireland)

- Master's

  1. Duc-Duy Nguyen, "On-Demand Decentralised Internet of Things Collectability Marketplace Using Crowdsensing", MEngSc, Data Science Institute, School of Engineering, University of Galway, 2017 – 2022. Examiners: Damon Berry, Edward Curry. Co-Supervisors: Mathieu d'Aquin, Alessandro Adamou, Ali Intizar. Funder: Confirm (Science Foundation Ireland)
  2. Huy Le Van, "Near Real-Time Data Warehousing of Linked Streams", MApplSc, Data Science Institute, College of Engineering & Informatics, NUI Galway, 2013 – 2018. Examiners: Antonio Jara, Mathieu d'Aquin. Co-Supervisors: Martin Serrano, Danh Le Phuoc. Funder: Fed4FIRE (FP7) and OpenIOT (FP7)
  3. Ina O'Murchu, "Connecting Local Community Groups Using Semantic Technologies", MSc, DERI, College of Engineering & Informatics, 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

- PhD

  1. Dr Anupa Shyamlal de Silva, "PCN: Next-Gen Monetary System Infrastructure", PhD, Data Science Institute, School of Engineering, University of Galway, 2020 – 2024. Examiners: Najmul Islam, Malika Bendechache. Co-Supervisor: Subhasis Thakur. Funder: VistaMilk (Taighde Éireann - Research Ireland)
  2. Dr Abdul Wahid, "Leveraging Hybrid Deep Learning and Generative Modelling to Accurately Estimate the Remaining Useful Life of Mechanical Systems", PhD, Data Science Institute, School of Engineering, University of Galway, 2019 – 2024. Examiners: Hua-Liang Wei, Ihsan Ullah. Co-Supervisor: Ali Intizar. Funder: Confirm (Science Foundation Ireland)
  3. Dr Jaleed Khan, "Neurosymbolic Visual Reasoning with Scene Graph Enrichment", PhD, Data Science Institute, School of Computer Science, University of Galway, 2019 – 2024. Examiners: Joao Leite, Matthias Nickles. Co-Supervisor: Edward Curry. Funder: CRT-AI (Science Foundation Ireland)
  4. Dr Muhammad Yahya, "Building Semantic Models and Knowledge Graphs for Intelligent Smart Manufacturing Applications", PhD, Data Science Institute, School of Engineering, University of Galway, 2019 – 2023. Examiners: Dimitrios Kyritsis, John McCrae. Co-Supervisor: Ali Intizar. Funder: Confirm (Science Foundation Ireland)
  5. Dr Sweta Malik, "Peer-to-Peer Energy Trading in Microgrids: A Game-Theoretic Approach", PhD, Data Science Institute, School of Engineering, University of Galway, 2019 – 2023. Examiners: Zita Vale, Enda Barrett. Co-Supervisors: Subhasis Thakur, Maeve Duffy. Funder: CENTS (DTIF) and Insight (Science Foundation Ireland)
  6. 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, Discipline of 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

- Master's

  1. Chan Le Van, "Optimisation of a Linked Stream Processing Engine", MApplSc, Insight Research Institute, College of Engineering & Informatics, NUI Galway, 2013 – 2016. Examiners: Emanuele Della Valle, Michael Schukat. Co-Supervisors: Alessandra Mileo, Danh Le Phuoc, Muhammad Intizar Ali. Funder: GAMBAS (FP7)
  2. Alan Dunne, "Development of a Touchscreen System for Upper Extremity Rehabilitation of Children with Cerebral Palsy", MEngSc, Discipline of 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

Previous Research Fellows

- Dr Priyanka Verma [IRIS] [LinkedIn] [Scholar]

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
- Dr Lan Yang

Previous Research Assistants

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

Visiting Students and Professors

- Karthik Aluru, Université Paris-Sud XI Orsay, France
- Alessia Antelmi, University of Salerno, Italy
- Charles-Adrien Beneteau, L'École d'Ingénieurs du Centre des Études Supérieures Industrielles de Pau, France
- Filippo Berto, University of Milan, Italy
- Giustina Ciccariello, Roma Tre University, Italy
- Roberto Covello, University of Calabria, Italy
- Tara Donoghue, University of Limerick, Ireland
- Sergio Fernández, Fundación CTIC, Spain
- Ayushi Gupta, Indira Gandhi Delhi Technical University for Women, India
- Tuukka Hastrup, University of Jyväskylä, Finland
- Gandhi Hernandez, Universidad Carlos III de Madrid, Spain
- Christian Hunsen, University of Göttingen, Germany
- Jung Jinuk, Seoul National University, Korea
- Prof. Jason Jung, Yeugnam University, Korea
- Tiago Marino, Universidade Federal do Rio de Janeiro, Brazil
- Mateusz Marmołowski, Technical University of Gdansk, Poland
- Yuki Matsuoka, National Institute of Informatics, Japan
- Nakul Mehta, Dr B R Ambedkar National Institute of Technology, Jalandhar, India
- Nitish Mittal, Netaji Subhas Institute of Technology, India
- Julien Paganelle, L'École d'Ingénieurs du Centre des Études Supérieures Industrielles de Pau, France
- Matthieu Rebouh, L'École d'Ingénieurs du Centre des Études Supérieures Industrielles de Pau, France
- Federica Rollo, University of Modena and Reggio Emilia, Italy
- Thomas Schandl, Vienna University of Economics and Business, Austria
- Vanya Sharma, Indira Gandhi Delhi Technical University for Women, India
- Daniel Villanueva, Universidad Carlos III de Madrid, Spain
- Sungkwon Yang, Seoul National University, Korea
- Karen Young, NUI Galway, Ireland

Current Administrative Staff

- Arline Broder
- Patrick Hayes

Current TechInnovate Lecturers

- Prof. W. Bernard Carlson
- Martina O'Grady

Previous Administrative Staff

- Dominica Moran

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

POSTGRADUATE COMMITTEES

External Examiner

- Dr Syed Muhammad Raza Naqvi, "Exploring LLMs and Semantic XAI for Industrial Robot Capabilities and Manufacturing Commonsense Knowledge", PhD, University of Technology Tarbes Occitanie Pyrénées (University of Toulouse), 2025. Supervisor: Hedi Karray, Linda Elmhadhbi. Examiners: Elhadj Benkhelifa, John G. Breslin, John Ahmet Erkoyuncu, Nadia Kabachi.
- Dr Rosario Davide D'Amico, "Cognitive Digital Twins: Enabling Holistic Asset Management Through Semantic Interoperability and Human Expertise Integration", PhD, Cranfield University, 2024. Supervisors: John Ahmet Erkoyuncu, Pavan Addepalli. Examiners: John G. Breslin, Weisi Guo.
- 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, Frédérique 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 Vicient, "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

- Dr Felipe Arruda Pontes, "Managing Uncertainties of Ecologically Sustainable Real-Time Multimedia Event Processing Over the Cloud and Edge", PhD, 2025. Supervisors: Michael Schukat, Edward Curry. Examiners: Lena Mashayekhy, John G. Breslin.
- Dr Rajdeep Sarkar, "Exploring Structured and Unstructured Knowledge Sources for Developing Domain-Specific Chatbots", PhD, 2023. Supervisor: John McCrae. Examiners: Ondřej Dušek, John G. Breslin.
- Dr 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 Mehmood, "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 Ferreira Oliveira de Paula, "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 Dhairya Dalal, "CALM: Foundations for Causality-Aware Language Models For Causal Question-Answering", PhD, 2025. Supervisor: Paul Buitelaar, Mihael Arcan. Examiners: Axel-Cyrille Ngonga Ngomo, John McCrae.
- Dr Waseem Shariff, "Sparse and Spiking Neural Algorithms for Neuromorphic Vision with Event Cameras", PhD, 2024. Supervisor: Peter Corcoran. Examiners: Karen Eguiazarian, Martin Glavin.
- Dr Mostafa Rezaeimozafar, "Optimal Design and Scheduling for Behind-the-Meter PV Battery Energy Storage Systems", PhD, 2024. Supervisors: Maeve Duffy, Rory Monaghan, Enda Barrett. Examiners: Georges Kariniotakis, Michael Schukat.
- Dr Adrian Ó Dubhghaill, "Natural Language Processing for Old Irish: Assessment and Development of Fundamental NLP Tasks and Techniques for Old Irish, and an Application for the Detection of Authors in the Würzburg Glosses", PhD, 2024. Supervisors: John McCrae, Clodagh Downey. Examiners: Elisa Roma, Paul Buitelaar.
- Dr Rishabh Jain, "Child Speech Understanding and Generation via Neural ASR and TTS Models", PhD, 2024. Supervisor: Peter Corcoran. Examiners: Mikko Kurimo, Horia Cucu, Michael Schukat.
- Dr Shardul Suryawanshi, "Unimodal, Multimodal and Transformational Approaches for Offensive Meme Classification: Challenges, Datasets and Models", PhD, 2024. Supervisors: Paul Buitelaar, Mihael Arcan, Suzanne Little. Examiners: Paolo Rosso, John McCrae.
- 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, Ethan Delaney, Sean Dooney, Kevin Farrell, Seyedroohollah Hosseini, Jaroslaw Jakubowicz, Asma Khatoon, Paul Kielty, 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 Mehmood, Nakul Mehta, 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, Yang Yang, Tarek Zaarour, Omnia Zayed, Durre Zehra

– Plant & AgriBiosciences Research Centre, School of Natural Sciences: Zewdy Gebremedhin

VISITING RESEARCHER

- National Institute of Informatics, Tokyo, Japan (2015)
- University of Maryland Baltimore County, Catonsville, Maryland, USA (2010)
- Virginia Tech, Blacksburg, Virginia, USA (1996)

INVITED TALKS, TUTORIALS AND PANELS

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.

1. "Building a Startup Ecosystem", Invited Talk to the Entrepreneurship Track, SET University, Ukraine [Online], 10th April 2025.
2. "Customer Development and Product-Market Fit: Who Is Your Customer?", Invited Talk to the Entrepreneurship Track, SET University, Ukraine [Online], 6th March 2025.
3. "Creating Communities: Lessons Learnt from boards.ie, adverts.ie, Old Ireland in Colour, PorterShed", Invited Talk to the Second Year Executive MBA Class, JE Cairnes School of Business and Economics, University of Galway [Online], 13th February 2025.

4. "Cognitive Digital Twins for Industry 4.0/5.0", Keynote Talk at the 14th International Workshop of Advanced Manufacturing and Automation (IWAMA 2024), Kuming, China [Online], 11th October 2024.

5. "Entrepreneurship and the Blue Economy", Talk at the ADT4Blue Blue Economy Challenges in Ireland Workshop [Online], 22nd June 2024.

6. "Five Years Using GenAI to Bring Ireland's History to Life in Colour", Talk at the SPECTRA GenAI Hackathon, PorterShed, Galway, 22nd June 2024.

7. "Entrepreneurship Development for Industry", Invited Talk at the Innovation and Entrepreneurship as a Concept Webinar [Online], Construct Innovate and Engineers Ireland West Region, 26th March 2024.

8. "Disruptive Technologies: Collaborations Between the Insight Centre, Third-Level Education and Industry in Ireland", Invited Talk at the Thematic Workshop on Disruptive Technologies to the Service of Regional Innovation Ecosystems, CODIL Interreg Europe, Údarás na Gaeltachta, Na Forbacha, 19th March 2024.

9. "Cognitive Digital Twins for Industry 4.0", Keynote Talk at the Huawei Global Software Technology Summit, Dublin, 2nd June 2023.

10. "Behind Old Ireland in Colour", Invited Talk for the Public Record Office of Northern Ireland [Online], 31st March 2023.

11. "Behind Old Ireland in Colour", Invited Talk at the University College Cork Computer Science Seminar Series [Online], 10th February 2023.

12. "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`

13. "Behind Old Ireland in Colour", Invited Talk to the CollabArchive Project, Public Record Office of Northern Ireland [Online], 16th November 2022.

14. "The OntoCommons Ecosystem (OCES) and Ontology Communities", Keynote Talk to the OntoCommons Demo and Use Case Workshop, Stuttgart, Germany [Hybrid], 8th November 2022.

15. "Old Ireland in Colour" (with Sarah-Anne Buckley), Invited Talk to Glen Eira Libraries, Melbourne, Australia [Online], 26th May 2022.

16. "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.

17. "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.

18. "Old Ireland in Colour 2" (with Sarah-Anne Buckley), Manchester and Lancashire Family History Society [Online], 2nd December 2021.

19. "Old Ireland in Colour 2" (with Sarah-Anne Buckley), Irish American Heritage Museum [Online], 24th November 2021. `https://www.youtube.com/watch?v=AOsvI4BTGNQ`

20. "Old Ireland in Colour 2" (with Sarah-Anne Buckley), Museum of Childhood Ireland [Online], 27th October 2021.

21. "Old Ireland in Colour 2" (with Sarah-Anne Buckley), Kildare Readers Festival [Online], 16th October 2021.

22. "Artificial Intelligence for Image/Video Colourisation and Enhancement", NUI Galway KPMG Summer School [Online], 14th June 2021.

23. "Book Talk: Old Ireland in Colour" (with Sarah-Anne Buckley), Maine Irish Heritage Center [Online], 6th June 2021.

24. "Let's C in JCT: Our History in Colour", Junior Cycle for Teachers (JCT) Support Service [Online], 28th May 2021.

25. "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`

26. "The PorterShed Story", Ascent: The Rise of Galway City's Innovation District, Meyrick Hotel, Galway, 16th May 2019.

27. "Smartups", Invited Talk to Údarás na Gaeltachta and Junior Achievement Ireland's Company Programme National Finalists, Árás na Gaeilge, NUI Galway, 2nd April 2019.

28. "Creativity, Innovation and Entrepreneurship in Higher Education", Invited Talk at CELT, NUI Galway, 30th January 2019.

29. "Who Is Your Customer?", Invited Talk to Irish SAP.iO Accelerate Participants, PorterShed, Galway, 23rd November 2018.

30. "Building the Galway Startup Ecosystem", Invited Talk to the SAP.iO Venture Partners Team, Potsdam, Germany, 24th October 2018.

31. "Go to Market and COCA", Invited Talk to SAP.iO Accelerate Teams, Potsdam, Germany, 24th October 2018.

32. "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.

33. "Accelerating Regional Entrepreneurship", Invited Talk to the Enterprise Subgroup of the Atlantic Economic Corridor Taskforce, Mayo County Council, Claremorris, 30th May 2018.

34. "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-

35. "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

36. "Innovation Districts and Innovation Hubs", Wexford Town Innovation District, The Gallery at Green Acres, Wexford, 3rd May 2018.

37. "Disciplined Entrepreneurship", Course on Applying Innovation, University of Minho, Portugal, 23rd March 2018.

38. "Imeachtaí Nuálaíochta agus Fiontraíochta san Ollscoil agus san Iarthar", Roinn Fiontraíochta agus Fostaíochta, Údarás na Gaeltachta, Na Forbacha, 14ú Mí na Nollag 2017.

39. "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

40. "What Can You Do for Your Customer?", Invited Talk to the BonBillo Social Impact Incubator, Impact Hub, Boston, 14th October 2017.

41. "Innovation Ecosystems", Invited Talk to the College of Medicine, Nursing & Health Sciences, NUI Galway, 26th September 2017.

42. "Disciplined mHealth Entrepreneurship, Invited Talk at the mHealth Conference 2017, NUI Galway, 15th June 2017. http://www.slideshare.net/Cloud/disciplined-mhealth-entrepreneurship

43. "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-innovatic

44. "Innovation and Entrepreneurship: Tips and Tricks", Invited Talk to IRUPA / Connacht Rugby Players, PorterShed, Galway, 2nd November 2016. https://www.slideshare.net/Cloud/innovation-and-entrepren

45. "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-start

46. "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

47. "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

48. "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

49. "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

50. "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

51. "Eurapp", Invited Talk at Workshop on Tech Entrepreneurs: The Path to Success, Digital Agenda Assembly 2013, NDRC, Dublin, Ireland, 20 June 2013.

52. "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`

53. "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-a`

54. "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/europreneurs`

    - Slides from this talk have been viewed over 8,000 times, and also generated significant interest on social media

55. "The 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`

56. "Social Media for Charities", Invited Talk at Fundraising Ireland, Galway, Ireland, September 2012. `https://www.slideshare.net/Cloud/social-media-for-charities-14332460`

57. "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`

58. "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`

59. "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-1038120`

60. "Dealing with Information Overload", Invited Talk at Mayo 2040, Castlebar, Ireland, November 2011. `https://www.slideshare.net/Cloud/dealing-with-information-overload-10202433`

61. "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`

62. "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`

63. "The SIOC Project", Invited Talk at the Federated Social Web Summit, Portland, Oregon, July 2010. `https://www.slideshare.net/Cloud/sioc`

64. "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`

65. "The Social Semantic Web", Invited Talk at University of Maryland Baltimore County, Maryland, USA, June 2010.

66. "The Social Semantic Web", Invited Talk at the New York Semantic Web Meetup, May 2010. `https://www.slideshare.net/Cloud/another-social-semantic-web`

67. "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`

68. "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`

69. "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`

70. "The Social Semantic Web", Invited Talk at the ERCIM Workshop, Dublin, Ireland, June 2009.

71. "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`

72. "The Social Semantic Web", Invited Talk during Library Ireland Week, University of Limerick, March 2009, and Invited Talk at IUISC, Galway, 5th March 2009. `https://www.slideshare.net/Cloud/the-social-semantic-web-1328494`

73. "Web 2.0", Invited Talk to Engineers Ireland Thomond Region, Limerick Institute of Technology, 2nd February 2009.

74. "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-pre`

75. "Alumni Social Networks", Invited Talk to the NUI Galway Alumni Board, Hodson Bay Hotel, 7th November 2008.

76. "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`

77. "Enabling Networked Knowledge", Invited Talk at the Digital Government / Web and Software Research Centre, Tsinghua University, Beijing, China, April 2008.

78. "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`

79. "The Social Semantic Web", Invited Talk at the Irish Web Technologies Conference (IWTC 2008), Dublin, March 2008.

80. "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`

81. "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`

82. "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`

83. "Wiki Ireland", Invited Talk to the Galway Heritage Forum, Galway, 12th July 2006. `https://www.slideshare.net/Cloud/20060712a`

84. "Blogs and Podcasting", Invited Talk to Master's in E-Marketing Students, DCU, Dublin, Ireland, 13th March 2006. `https://www.slideshare.net/Cloud/blogs-and-podcasting-378607`

85. "Syndication and RSS", Invited Talk at the Blogging for Business Event, IT@Cork, June 2005. `https://www.slideshare.net/Cloud/syndication-and-rss`

86. "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-`

87. "Transformer Design", Invited Talk at Wroclaw University of Technology, Poland, 2001.

Tutorials / Workshops

1. John G. Breslin, "Matching Digital Technologies to Market Opportunities", Data2Sustain EDIH, Hardiman Research Building, University of Galway, 12th February 2025.

2. John G. Breslin, "Teaching Researchers and Innovators How to Create Startups", ImplantSens MSCA European Training Network [Online], 18th and 19th January 2022.

3. John G. Breslin, "From Entrepreneurship to Startups", Technical Assistance Mission, National Erasmus+ Office, Jordan [Online], 5th and 6th October 2021.

4. John G. Breslin, "What Can You Do for Your Customer?", Tutorial for the BonBillo Social Impact Incubator, Online, 5th November 2018.

5. John G. Breslin, "Disciplined Entrepreneurship", Tutorial at Blackstone LaunchPad, NUI Galway, 6th March 2018.

6. John G. Breslin, "Disciplined Entrepreneurship", Tutorials at PorterShed, Galway, 27th and 28th July 2017.
7. John G. Breslin, "Disciplined Entrepreneurship", Tutorials at Blackstone LaunchPad, NUI Galway, 15th and 22nd March 2017.
8. John G. Breslin, Paul Flynn, "Disciplined Entrepreneurship for AgTech Startups", Tutorial to Plant & AgriBiosciences Research Centre, NUI Galway, 23 November 2016.
9. John G. Breslin, Alexandre Passant, "The Social Semantic Web", Tutorial at the Universitat Rovira i Virgili Artificial Intelligence Seminar Series, Tarragona, Spain, April 2011.
10. 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`
11. 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-introductio`
12. 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`
13. 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`
14. John G. Breslin, "Semantic Web 2.0", Tutorial for Wireless Skillnet, Dublin, Ireland, May 2007.
15. 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-spac`
16. 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

1. John G. Breslin, Paul Cheek (MIT), "Fundraising Strategies from Ideation to Scale", Innovative City Workshop, PorterShed, 15th October 2024.
2. John G. Breslin, Arik Elberse (Ancient Oak Ventures), Gearóid Hynes (CitySwift), Rachel Kavanagh (Siren), Carmel McGroarty-Mitchell (Chair, Insight), Emma Meehan (Precision Sports Technology), "The Entrepreneurial Quest", Insight Data Connections: Seizing the Data Opportunity through Collaboration, PorterShed, 23rd August 2023.
3. 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`
4. 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.
5. 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.
6. 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`
7. 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.

8. 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.

9. 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.

10. 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

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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, PorterShed, Galway, 28th May 2018.

18. 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.

19. 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.

20. 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.

21. 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.

22. 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, PorterShed, Galway, 30th August 2017.

23. 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.

24. John G. Breslin, L. Bowen (Entrepreneurs Academy), G. Canty (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.

25. 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.

26. 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.

27. 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.

28. 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.

29. 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.

30. 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.

31. John G. Breslin, D. Collins (Jolt Online Gaming), K. Majerus (Cisco Systems), D. McLoughlin (Chair, UCD), D. Mulley (Mulley Communications), "Digitising Your Business Model and Exploiting New Technologies", Digital Landscapes, University College Dublin, 3rd March 2010.

32. 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.

33. John G. Breslin, E. Carey (Chair, Random Thoughts Media), C. Dillon (Microsoft), W. Luenenbuerger-Reidenbach (Edelman), B. O'Connor (PricewaterhouseCoopers), "What is Social Media", Futureproof Conference, Dublin, 18th June 2009.

34. 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.

35. 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.

36. 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.

37. 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.

38. 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

1. "A Balanced Routing Algorithm for Blockchain Offline Channels using Flocking", The 1st International Congress on Blockchain and Applications (BLOCKCHAIN '19), Avila, Spain, June 2019.
2. "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-offl`
3. ""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

1. "Kylemore Abbey hosts Old Ireland in Colour exhibition", Western People, 24th April 2025. `https://www.westernpeople.ie/whatson/kylemore-abbey-hosts-old-ireland-in-colour-exhibition_arid-54724.html`
2. "Kylemore Abbey exhibition includes previously never seen images of 'Old Ireland'", Mayo News, 20th April 2025. `https://www.mayonews.ie/news/westport/1781874/kylemore-abbey-exhibition-includes-previously-never-seen-images-of-old-irelan.html`
3. "Kylemore Abbey welcomes Old Ireland in Colour exhibition", Galway Advertiser, 17th April 2025. `https://www.advertiser.ie/galway/article/145569/kylemore-abbey-welcomes-old-ireland-in-colour-exhibition`
4. "Irish brown soda bread usurps the baguette amid Ireland Week festivities in France", Patricia Killeen, Irish Central, 7th March 2024. `https://www.irishcentral.com/opinion/others/ireland-week-france-2024`
5. "New Cathaoirleach has been appointed by Gaillimh le Gaeilge", Galway Advertiser, 22nd February 2024. `https://www.advertiser.ie/galway/article/140033/new-cathaoirleach-has-been-appointed-by-gaillimh-le-gaeilge`
6. "Gradam 2024 open for nominations", Ado Lyons, This is Galway, 14th February 2024. `https://thisisgalway.ie/gradam-2024-open-for-nominations/`
7. "Old Ireland as you've never seen it before", Irish Mail on Sunday, 17th December 2023.
8. "In living colour", Janine Kennedy, Irish Farmers Journal, 9th December 2023. `https://www3.farmersjournal.ie/entertainment/books/images-from-a-bygone-era-old-ireland-in-colour-795113`
9. "Picture this", Linda Maher, Irish Daily Mail, 1st December 2023.
10. "Stunning photographs of Derry, Strabane and Donegal appear in glorious Old Ireland in Colour 3", Kevin Mullan, Derry Journal, 29th November 2023. `https://www.derryjournal.com/heritage-and-retro/heritage/stunning-photographs-of-derry-stra`
11. "Old Ireland in Colour 3", Around the North West with John Breslin, Highland Radio, 24th November 2023.
12. "Roscommon images feature in Old Ireland in Colour", Christina McHugh, Roscommon Herald, 23rd November 2023. `https://roscommonherald.ie/news/roscommon-images-feature-in-old-ireland-in-colour_arid-3815.html`
13. "Amazing 1926 Ardara photo features in new Old Ireland in Colour 3 book", Michael McHugh, Donegal Post, 20th November 2023. `https://www.donegallive.ie/news/local-news/1353078/amazing-1926-ardara-photo-features-in-new-old-ireland-in-.html`
14. "Athlone streetscape a century ago colourised in new book", Deirdre Verney, Westmeath Independent, 15th November 2023. `https://www.westmeathindependent.ie/2023/11/15/athlone-streetscape-a-century-ago-colourised-in-new-book/`
15. "New stories, old Ireland, ancient tales", Stephen Glennon, Tuam Herald, 8th November 2023.
16. "Days Gonne by...", Larissa Nolan, Irish Daily Mirror, 3rd November 2023.
17. "Old snaps hue and improved", Larissa Nolan, Irish Daily Star, 3rd November 2023.
18. "In pictures: the restored images bringing long-ago Ireland to life", Larissa Nolan, Irish Star, 3rd November 2023. `https://www.irishstar.com/culture/nostalgia/gallery/pictures-restored-images-bringing-long-31349018`
19. "Stunning images capture Ireland's history in new book", Fiona Audley, Irish Post, 27th October 2023. `https://www.irishpost.com/entertainment/stunning-images-capture-irelands-history-in-new-book-262674`
20. "Record breaking book back for a stunning third edition", Declan Varley, Galway Advertiser, 19th October 2023. `https://www.advertiser.ie/galway/article/138251/recordbreaking-book-back-for-a-stunning-third-edition`
21. "Old Ireland in Colour 3: latest book breathes new life into incredible old images", Marjorie Brennan, Irish Examiner, 17th October 2023.
22. "Rare photos of Ulster life in early 1900s published in latest book series", Amy Cochrane, Belfast Telegraph, 16th October 2023. `https://www.belfasttelegraph.co.uk/life/books/rare-photos-of-ulster-life-in-early-1900s-published-in-latest-boo/a1460621294.html`
23. "Postcards from the past: Old Ireland in Colour", Life Magazine, Sunday Independent, 15th October 2023. `https://www.independent.ie/entertainment/books-arts/book-news/postcards-from-the-past-old-ireland-in-colour/a1322823237.html`
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25. "New light shed on photograph taken of Offaly woman 160 years ago", Justin Kelly, Offaly Express, 26th September 2023. `https://www.offalyexpress.ie/news/local-news/1307119/new-light-shed-on-photograph-taken-of-offaly-woman-160-years-ago.html`

26. "La galerie du Faouëdic connectée á l'Irlande [The Faouëdic gallery connected to Ireland]", Ouest France, 4th August 2023.

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28. "Past and present come alive at Áras Eanna", Galway City Tribune, 22nd July 2022. `https://connachttribune.ie/past-and-present-come-alive-at-aras-eanna/`

29. "Two stunning exhibitions open on Inis Oírr this weekend", Ciarán Tierney, Galway Daily, 7th July 2022. `https://www.galwaydaily.com/news/two-stunning-exhibitions-open-on-inis-oirr-this-weekend/`

30. "Blockchain agus bitcoin", Fionnuala Uí Neachtain, Iris Aniar, RTÉ Raidió na Gaeltachta, 24ú Bealtaine 2022.

31. "Old Cork in Colour exhibition at Spike Island gives an illuminating look at the county's heritage", Bill Browne, The Corkman, 15th April 2022. `https://www.independent.ie/regionals/cork/news/old-cork-in-colour-exhibition-at-spike-island-gives` 41556728.html

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45. "Old Ireland in Colour 2 features portrait of Granard's Kitty Kiernan", Longford Leader, 9th October 2021. `https://www.longfordleader.ie/news/local-news/674142/old-ireland-in-colour-2-features-portrait-of-granard-s-kitty-kiernan.html`

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283. "Eolas pearsanta ar an Idirlíon", Nuacht, TG4, 11ú Feabhra 2008.
284. "Tax incentives for US tech firms, but what happens to local talent?", Mike Butcher, TechCrunch, 6th February 2008.
285. "Digital industry body needed for Ireland, says expert", Marie Boran, Silicon Republic, 5th February 2008.
286. "Clique here", Kathy Foley, Sunday Times, 3rd February 2008.
287. "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`
288. "SIOC-ing the Semantic Web", Jennifer Zaino, SemanticWeb.com, 11th January 2008.
289. "Treading the boards", Rory Gannon, PC Live!, 1st January 2008.
290. "New year, new web", Jennifer Zaino, SemanticWeb.com, 31st December 2007.
291. "Social networking craze", Morning Ireland, RTÉ Radio 1, 27th December 2007.
292. "Anti-social networking", Susan Mitchell, Sunday Business Post, 7th October 2007.
293. "NUIG gets caught up in semantics", Knowledge Ireland, 20th September 2007.
294. "Flawed system for monitoring Irish web use", Damien Mulley, Sunday Tribune, 16th September 2007.
295. "DERI shows the way on web standards", PC Live!, 11th September 2007.
296. "Online networking for the social.ie challenged", Marie Boran, Silicon Republic, 27th August 2007.
297. "Galway lab weaves new web", Irish Independent, 23rd August 2007.
298. "NUIG digital institute submits cutting-edge technology to web standards organisation", Galway Independent, 22nd August 2007.
299. "DERI submits semantic web standards proposal", Niall Byrne, Silicon Republic, 20th August 2007.
300. "DERI asks W3C to consider SIOC as standard for using community data", TechCentral.ie, 20th August 2007.
301. "New Talktourism.ie launched for this area", Anglo Celt, 3rd May 2007.
302. "Talktourism.ie launched in Cootehill", Northern Standard, 3rd May 2007.
303. "Social networking: sharing is caring for the bottom line", Damien Mulley, Sunday Tribune, 18th March 2007.
304. "Galway bloggers nominated for Irish Digital Media Awards", Galway Bay FM, 1st February 2007.
305. "Galway bloggers nominated for Irish Digital Media Awards", Galway Independent, 31st January 2007.
306. "Virtual world is breaking old mould", Bernie Goldbach, Irish Examiner, 26th January 2007.
307. "Cyberstalking", The Last Word with Matt Cooper, Today FM, 12th January 2007.
308. "Twenty Major scoops internet award", Irish Times, 8th December 2006.
309. "Galway winners in the Net Visionary awards", Galway Bay FM, 17th November 2006.
310. "HostelWorld scoops top prize at IIA awards", Maxim Kelly, ElectricNews.net, 17th November 2006.
311. "Greene emerges as pick of the pods", John Kennedy, Silicon Republic, 17th November 2006.
312. "The secret life of the Irish blogger", Haydn Shaughnessy, Irish Times, 6th November 2006.
313. "Three Galway residents receive Net Visionary nominations", Galway Bay FM, 6th November 2006.
314. "A survivor's guide to pods and blogs...", Ed Power, Irish Independent, 1st November 2006.
315. "Web wonders", Ed Power, Irish Independent, 19th June 2006.
316. "Bebo and NUI Galway", Talk with Jack And Ali, Spin 1038, 29th March 2006.
317. "Bebo and online social networks", Lunchtime with Brendan O'Brien, Newstalk, 29th March 2006.
318. "Colleges ban Bebo", Enda Feeney, Daily Mail, 27th March 2006.
319. "Colleges put stop to Bebo.com craze", Mark Tighe, Sunday Times, 26th March 2006.
320. "Prepare for the power of the blog", Liam Reid, Irish Times, 21st March 2006.
321. "King-size kudos for web author Twenty Major", Jon Ihle, Irish Times, 13th March 2006.
322. "NUI Galway researcher up for national award", Julie Tierney, Galway Advertiser, 3rd November 2005.
323. "Tech forum aims to share IT ideas", Sunday Business Post, 4th September 2005.
324. "TechCamp to foster innovation", Silicon Republic, 29th August 2005.
325. "Techie forum comes to Ireland", Business Plus, 29th August 2005.
326. "Rewriting the rule books", BBC News, 15th August 2005.
327. "Interview with John Breslin", The Breakfast Show, Anna Livia FM, 10th August 2005.
328. "Friend of a friend", Five Seven Live, RTÉ Radio 1, 2nd September 2004.
329. "Workshop in NUI is to take the mystery out of the Internet", Connacht Sentinel, 31st August 2004.
330. "Social networking and the Semantic Web", Future Tense, RTÉ Radio 1, 31st August 2004.
331. "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.

- Winner of the Best Paper Award in the AI and Agents Theme at the The 40th ACM/SIGAPP Symposium On Applied Computing (SAC 2025) [2025]
- 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 Zeddy 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

External Examiner

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

Academic and Research Boards and Committees

- Founding Member of the Knowledge Graph Alliance [2023 – Present]
- 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 INCLUSILVER 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 2017-2026
  - 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 [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, Special Issue on the Role of Semantics in Smart Cities, IOS Press Semantic Web Journal (SWJ) [2014]
- Editorial Board, International Journal of Interactive Communication Systems and Technologies (IJICST) [2013 – 2015]
- Editorial Board, International Journal on Semantic Web and Information Systems (IJSWIS) [2013 – 2014]
- Guest Editor, Special Issue on Ubiquitous Deployments of Body Sensor Networks, International Journal of Autonomous and Adaptive Communications Systems (IJAACS) [2010]
- 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]
- Editorial Board, Springer Transactions on Computational Collective Intelligence (TCCI) [2009 – Present]

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)

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)

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

  - 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 35th British Machine Vision Conference (BMVC 2024)
- 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)

Over my years of teaching, I have granted nearly 30,000 ECTS, i.e. (ECTS × students) totalled over all time. I have an ECTS turnover of over 2,100 ECTS, i.e. (ECTS × students) per year on average in recent years. In my modules, I have taught 8,691 students. In total, I have taught 5,106 unique students (i.e. taking into account people taught on multiple modules).

Master's in Engineering

- EE5103 Digital Control Systems for Automation and Robotics (2023 - Present)
- EE5120 Digital Control Systems (2011 - 2022)
- EE6102 Power Systems (2018 - Present)

Bachelors in Engineering

- EE4103 Digital Control Systems for Automation and Robotics (2023 - Present)
- EE4100 Digital Control Systems (2011 - 2022)
- EE450 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)

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)

Postgraduate Diploma/Master's in TechInnovation

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

Master's in Digital Media

- DM110 Emerging Web Media (2006 - 2008)

ACADEMIC CONTRIBUTIONS AND COMMUNITY LEADERSHIP

Discipline / Institute

- Placement Liaison for Electrical & Electronic Engineering [2024 – Present]

  - Member of the Placement Working Group for the School of Engineering [2024 – Present]

- Supervisor of Valeo Prize-winning third year undergraduate project students, Brian Kelly and David Kong [2023]
- Programme Director for PGDip/MSc in TechInnovation [2016 – Present] and MSc in AgInnovation [2018 – Present]

  - Having been selected for the competitive Entrepreneurship Development Program[2] 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 2025, totalling over 200 registered students
  - 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 PorterShed in 2017 and 2018
  - Developed the Galway Tech Map and the Galway Medtech Map, which are still being used to promote the city as a hub for tech/medtech startups/companies, to potential students, international visitors, FDI companies, and more
  - 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]
- Programme 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

- Placement Coordinator for Electrical & Electronic Engineering [2008 – 2011]
- Member of the World Wide Web Consortium (W3C) Advisory Committee (Representing DERI) [2008]

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[2]`https://executive.mit.edu/blog/bringing-the-disciplined-entrepreneurship-process-to-ireland-a-q-a-with-edp-participant-`

- 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]

School / College

- Panellist at the Data Science Institute Research Impact Seminar [2024]
- Progression Interview Board for Lecturer Above the Bar [2022]
- Co-Principal Investigator at the Confirm SFI Research Centre for Smart Manufacturing [2019 – 2023]

  - Member of the Confirm Education and Public Engagement Advisory Committee [2021 – 2023]
  - Member of the Confirm Strategy Core Team [2019 – 2023]

- 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 [2018 – Present]
- Funded Investigator at the Confirm SFI Research Centre for Smart Manufacturing [2017 – 2019]
- Co-Principal Investigator 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

- Participant in User Acceptance Testing for the University's New Research Information Management System [2024]
- Panellist at the School of Law Promotions Webinar [2022]
- Member of the Judging Panel, NUI Galway Entrepreneurship Society Startup School [2020]
- Member of the LGBT+ Ally Programme [2019 – Present]
- 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 – 2017]
- 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]

  – Thousands of 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

- Expert for the AI Venture Forge Accelerator at the PorterShed [2025]
- Judge for Empathy Jam Galway [2024]
- Member of the JETRO Invited Programme Delegation [2024]

    - Invited by JETRO (the Japan External Trade Organization) to be part of a delegation of Irish companies and organisations who travelled to Tokyo, Osaka and Kobe
    - Made connections with Japanese companies, hubs and universities, visiting amongst others Nagoya University, STATION Ai, Hitachi, Fuji Corporation, and NTT West

- Expert Panel Member for the EIC Tech Report 2024, European Innovation Council and SMEs Executive Agency [2024]
- Judge for the National AI Challenge at the National AI Meet [2024]
- Member of the Organising Committee for the National AI Meet [2024]
- External Expert Reviewer for Technological University Research and Innovation Supporting Enterprise (TU RISE), Atlantic Technology University [2024]
- Member, Galway-Lorient Twinning Committee Delegation [2022]

    Part of delegation that visited Lorient, including a visit to the National Engineering School (ENSIBS) at the University of South Brittany (UBS) Made connections to our College staff regarding Erasmus Mundus joint Master's degrees, 30 ECTS single-semester visits, etc. Coordinated the return visit of the Lorient mayoral delegation to the University of Galway in May 2022
- Judge for the Forbes 30 Under 30 Europe [2022]
- Tenure with Promotion Reviewer for the American University of Beirut [2021]
- Mentor for a Marie Skłodowska-Curie Action SMART 4.0 Fellow [2021 – 2023]
- Tenure Reviewer for the 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-irel` `en.pdf`
- Member of the Steering Group for Scale Ireland (formerly the Startup Policy Project) [2019 – Present]

    - Chair of the Third-Level Entrepreneurship Group [2023 – Present]

        * Provided input to the Pre-General Election Manifesto for the New Government [2024]
        * Presented proposals on internships, training and accelerators to Simon Harris (Minister for Further and Higher Education, Research, Innovation and Science) [2023]
    - 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]
- 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 Teaching/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]
- Promotion Reviewer for the French National Institute for Research in Computer Science and Control (Inria) [2012 – 2024]
- 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, and the brainchild of engineering student Alan Byrne
    - Speakers included the CEOs of ExOrdo, 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

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

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, PorterShed, opened in April 2016
  - PorterShed now has more than 300 seats, and is home to over 50 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 over 800 jobs, including graduating companies, scaleups, soft landing successes, acquisitions, and associated support jobs
  - 15 companies have graduated from the NDRC at PorterShed accelerator, Ireland's first regional accelerator
  - Over a third of PorterShed's members are female, and a quarter of the member companies based in PorterShed are led by female founders
  - PorterShed companies have raised over €20 million in funding
  - Hundreds of events have been held in the space since it opened with tens of thousands of 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 Systems, now Altocloud), Michael FitzGerald (OnePageCRM), 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)

- 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)

- Founder, Social Media Ltd. (New Tech Post) [2010 – 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, 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 Aristotele, and by research in companies such as HP

Company Board and Advisory Roles

- Comhalta den Bhord Stiúrtha, Gaillimh le Gaeilge CTR [2022 – Anois]

  - Cathaoirleach [2023 – Anois]

- Ball Cuideachta, Ionad Forbartha Gnó CTR [2020 – Anois]
- Member of the Board of Directors, Innovation and Management Centre CLG (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

- Cover for the magazine "Ireland's Own: 1925-2025 Souvenir Centenary Edition", March 2025.
- Exhibition of "Old Ireland in Colour", Fordham Hall, Kylemore Abbey, Galway, Spring 2025 to Autumn 2025.
- Exhibition of "Old Cork in Colour", Punishment Block, Spike Island, Cork, February 2025 to Present.
- Exhibition of "Old Ireland in Colour: Japan", Dazaifu City International Exchange Association, Fukuoka, Japan, November 2024.
- Exhibition of "Old Ireland in Colour", Espace Culturel l'Hermine, Sarzeau, France, 5th October 2024 to 6th October 2024.
- Exhibition of "Old Ireland in Colour", Centre Culturel Irlandais, Paris, France, 7th March 2024 to 19th May 2024. `https://www.centreculturelirlandais.com/en/whats-on/exhibitions-events/old-ireland-in-colour?nb=1`
- Exhibition of "Old Ireland in Colour: Japan", Residence of the Ambassador of Ireland to Japan, Tokyo, Japan, 27th February 2024.
- 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 (CD, vinyl) "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`

- 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.
- Íomhánna don tsraith teilifíse "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

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, Department of 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."