

References

- [1] John G Breslin and Sarah-Anne Buckley. *Old Ireland in Colour 2*. Merrion Press, September 2021. Irish Bestseller.
- [2] John G Breslin and Sarah-Anne Buckley. *Old Ireland in Colour*. Merrion Press, October 2020. Irish Bestseller.
- [3] Tope Omitola, Sebastián A Ríos, and John G Breslin. *Social Semantic Web Mining*. Morgan and Claypool, January 2015.
- [4] John G Breslin, Alexandre Passant, and Stefan Decker. *The Social Semantic Web*. Springer, October 2009.
- [5] Pascal Molli, John G Breslin, and Maria-Esther Vidal, editors. *Semantic Web Collaborative Spaces*, volume 9507 of *LNCS*. Springer, April 2016.
- [6] Fabien Gandon, Christophe Guéret, Serena Villata, John G Breslin, Catherine Faron-Zucker, and Antoine Zimmermann, editors. *The Semantic Web: ESWC 2015 Satellite Events*. Springer, October 2015.
- [7] John G Breslin, Nicole B Ellison, James G Shanahan, and Zeynep Tufekci, editors. *Proceedings of the Sixth International Conference on Weblogs and Social Media*. AAAI Press, June 2012.
- [8] John G Breslin, Thomas N Burg, Hong-Gee Kim, Tom Raftery, and Jan-Hinrik Schmidt, editors. *Recent Trends and Developments in Social Software*. Springer, November 2010.
- [9] Subhasis Thakur and John G Breslin. *Wireless Blockchain: Principles, Technologies and Applications*, pages 269–296. Wiley, November 2021.
- [10] Kosala Y Bandara, Subhasis Thakur, and John G Breslin. *Industry Use Cases on Blockchain Technology Applications in IoT and the Financial Sector*, pages 68–91. IGI Global, May 2021.
- [11] Francesco Guerra, Yannis Velegrakis, Jorge Cardoso, and John G Breslin. *The KEYSTONE IC1302 COST Action*, volume 10456 of *LNCS*, pages 187–195. Springer, February 2018.
- [12] Pascal Molli, John G Breslin, and Maria-Esther Vidal. *Challenges for Semantically Driven Collaborative Spaces*, volume 9507 of *LNCS*, pages 3–9. Springer, April 2016.
- [13] Theodore A Vickey and John G Breslin. *Social Networks for Quantified Self*, pages 1901–1904. Springer, October 2014.

- [14] David N Crowley, Edward Curry, and John G Breslin. *Leveraging Social Media and IoT to Bootstrap Smart Environments*, pages 379–399. Springer, March 2014.
- [15] John G Breslin, Alexandre Passant, and Denny Vrandecic. *Social Semantic Web*, chapter 12, pages 467–506. Springer, June 2011.
- [16] Alexandre Passant, Sheila Kinsella, Uldis Bojārs, John G Breslin, and Stefan Decker. *Understanding Online Communities by Using Semantic Web Technologies*, pages 429–456. IGI Global, February 2011.
- [17] Uldis Bojārs, John G Breslin, and Stefan Decker. *Porting Social Media Contributions with SIOC*, pages 116–122. Springer, November 2010.
- [18] 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*, pages 79–102. Springer, October 2010.
- [19] Hak-Lae Kim, John G Breslin, and Hong-Gee Kim. *Representing and Sharing Tagging Data Using Semantic Web*, chapter 46, pages 519–527. IGI Global, July 2009.
- [20] Sheila Kinsella, Alexandre Passant, John G Breslin, Stefan Decker, and Ajit Jaokar. *The Future of Social Websites: Sharing Data and Trusted Applications with Semantics*, volume 76, pages 121–175. Elsevier, June 2009.
- [21] Hak-Lae Kim and John G Breslin. *Towards OpenTagging Platform Using Semantic Web Technologies*, pages 189–200. Springer, November 2008.
- [22] John G Breslin. *Social Semantic Information Spaces*, pages 55–70. Springer, October 2008.
- [23] Sheila Kinsella, Andreas Harth, Alexander Trousoff, Mikhail Sogrin, John Judge, Conor Hayes, and John G Breslin. *Navigating and Annotating Semantically-Enabled Networks of People and Associated Objects*, pages 79–96. VS Verlag, September 2008.
- [24] Hee-Chul Choi, Sebastian Ryszard Kruk, Sławomir Grzonkowski, Katarzyna Stankiewicz, Brian Davis, and John G Breslin. *Trust Models for Community Aware Identity Management*, chapter 7, pages 95–122. Icfai Books, June 2008.
- [25] Ina O’Murchu, John G Breslin, and Stefan Decker. *Online Social and Business Networking Communities*, chapter 6, pages 53–80. Icfai Books, June 2007.

- [26] Ina O’Murchu, Anna V Zhdanova, and John G Breslin. *Semantic Community Portals*, pages 875–880. IGI Global, April 2007.
- [27] Uldis Bojārs, John G Breslin, and Alexandre Passant. *SIOC Browser - Towards a Richer Blog Browsing Experience*, pages 141–166. BoD, October 2006.
- [28] Priyanka Verma, John G Breslin, and Donna O’Shea. Fldid: Federated learning enabled deep intrusion detection in smart manufacturing industries. *Sensors*, November 2022.
- [29] Abderahman Rejeb, John G Keogh, Wayne Martindale, Damion Dooley, Edward Smart, Steven Simske, Samuel Fosso Wamba, John G Breslin, Kosala Yapa Bandara, Subhasis Thakur, Kelly Liu, Bridgette Crowley, Sowmya Desaraju, Angela Ospina, and Horia Bradau. Charting past, present, and future research in the semantic web and interoperability. *Future Internet*, May 2022.
- [30] 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. *Journal of King Saud University - Computer and Information Sciences*, May 2022.
- [31] Abdul Wahid, John G Breslin, and Muhammad I Ali. Prediction of machine failure in industry 4.0: A hybrid cnn-lstm framework. *Applied Sciences*, April 2022.
- [32] Bharath Sudharsan, John G Breslin, Mehreen Tahir, Muhammad I Ali, Omer Rana, Schahram Dustdar, and Rajiv Ranjan. Ota-tinyml: Over the air deployment of tinyml models and execution on iot devices. *Internet Computing*, pages 69–78, June 2022.
- [33] Muhammad Jaleed Khan, John G Breslin, and Edward Curry. Common sense knowledge infusion for visual understanding and reasoning: Approaches, challenges, and applications. *Internet Computing*, pages 21–27, May 2022.
- [34] 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. *Energies*, February 2022.
- [35] Shahid Hussain, Yun-Su Kim, Subhasis Thakur, and John G Breslin. Optimization of waiting time for electric vehicles using a fuzzy inference system. *Transactions on Intelligent Transportation Systems*, pages 1–12, January 2022.

- [36] Jefkine Kafunah, Muhammad I Ali, and John G Breslin. Handling imbalanced datasets for robust deep neural network-based fault detection in manufacturing systems. *Applied Sciences*, October 2021.
- [37] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. MI-mcu: A framework to train ml classifiers on mcu-based iot edge devices. *Internet of Things*, July 2021.
- [38] Saurabh Shukla, Subhasis Thakur, Shahid Hussain, John G Breslin, and Syed Muslim Jameel. Identification and authentication in healthcare internet-of-things using integrated fog computing based blockchain model. *Internet of Things*, June 2021.
- [39] 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. *Mobile Networks and Applications*, August 2021.
- [40] Sweta Malik, Maeve Duffy, Subhasis Thakur, Barry Hayes, and John G Breslin. A priority-based approach for peer-to-peer energy trading using cooperative game theory in local energy community. *International Journal of Electrical Power and Energy Systems*, December 2021.
- [41] Muhammad Yahya, John G Breslin, and Muhammad I Ali. Semantic web and knowledge graphs for industry 4.0. *Applied Sciences*, May 2021.
- [42] Bharath Sudharsan, Pankesh Patel, John G Breslin, Muhammad I Ali, Karan Mitra, Schahram Dustdar, Omer Rana, Prem Prakash Jayaraman, and Rajiv Ranjan. Toward distributed, global, deep learning using iot devices. *Internet Computing*, May 2021.
- [43] Muhammad I Ali, Pankesh Patel, John G Breslin, Rami Harik, and Amit Sheth. Cognitive digital twins for smart manufacturing. *Intelligent Systems*, 36(2):96–100, May 2021.
- [44] Jeff Morgan, Mark Halton, Yuansong Qiao, and John G Breslin. Industry 4.0 smart reconfigurable manufacturing machines. *Journal of Manufacturing Systems*, April 2021.
- [45] Kosala Y Bandara, Subhasis Thakur, and John G Breslin. Flocking-based decentralised double auction for p2p energy trading within neighbourhoods. *International Journal of Electrical Power and Energy Systems*, February 2021.
- [46] Radhya Sahal, Saeed H Alsamhi, John G Breslin, Kenneth N Brown, and Muhammad I Ali. Digital twins collaboration for automatic erratic operational data detection in industry 4.0. *Applied Sciences*, April 2021.

- [47] Radhya Sahal, Saeed H Alsamhi, John G Breslin, and Muhammad I Ali. Industry 4.0 towards forestry 4.0: Fire detection use case. *Sensors*, January 2021.
- [48] Subhasis Thakur and John G Breslin. Scalable and secure product serialization for multi-party perishable good supply chains using blockchain. *Internet of Things*, June 2020.
- [49] Radhya Sahal, John G Breslin, and Muhammad I Ali. Big data and stream processing platforms for industry 4.0: Requirements mapping for predictive maintenance use case. *Journal of Manufacturing Systems*, December 2019.
- [50] Hoan Nguyen Mau Quoc, Martin Serrano, Han Mau Nguyen, John G Breslin, and Danh Le Phuoc. Eaglea scalable query processing engine for linked sensor data. *Sensors*, October 2019.
- [51] Barry P Hayes, Subhasis Thakur, and John G Breslin. Co-simulation of electricity distribution networks and blockchain energy trading platforms. *International Journal of Electrical Power and Energy Systems*, 115, July 2019.
- [52] Guangyuan Piao and John G Breslin. Inferring user interests in microblogging social networks: A survey. *User Modeling and User-Adapted Interaction*, 28(3):277–329, August 2018.
- [53] Piyush Verma, Brian O’Regan, Barry P Hayes, Subhasis Thakur, and John G Breslin. Enerport: Irish blockchain project for peer-to-peer energy trading. *Energy Informatics*, September 2018.
- [54] Subhasis Thakur and John G Breslin. Peer-to-peer energy trade among microgrids using blockchain-based distributed coalition formation method. *Technology and Economics of Smart Grids and Sustainable Energy*, May 2018.
- [55] Theodore A Vickey and John G Breslin. Online influence and sentiment of fitness tweets: Analysis of two million fitness tweets. *JMIR Public Health Surveillance*, October 2017.
- [56] Mohamed Ben Ellefi, Zohra Bellahsene, John G Breslin, Elena Demidova, Stefan Dietze, Julian Szymanski, and Konstantin Todorov. Rdf dataset profiling: A survey of features, methods, vocabularies and applications. *Semantic Web Journal*, August 2017.
- [57] Subhasis Thakur and John G Breslin. A robust reputation management mechanism in federated cloud. *IEEE Transactions on Cloud Computing*, March 2017.

- [58] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. An ontology for next generation e-participation initiatives. *Government Information Quarterly*, February 2016.
- [59] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. Social software infrastructure for e-participation. *Government Information Quarterly*, February 2016.
- [60] Theodore A Vickey and John G Breslin. Do as i tweet, not as i do: Comparing physical activity data between fitness tweets and healthy people 2020. *The mHealth Journal*, November 2015.
- [61] Tiago Marino, Maria Luiza Machado de Campos, Marco R S Borges, John G Breslin, and Maciej Dabrowski. Architecture for gathering and integrating collaborative information for decision support in emergency situations. *The International Journal of Information and Communication Technology*, September 2015.
- [62] Owen Sacco and John G Breslin. In users we trust: Towards social user interactions based trust assertions for the social semantic web. *The Journal of Social Network Analysis and Mining*, 4(1), August 2014.
- [63] Theodore A Vickey, Kathleen Martin Ginis, Maciej Dabrowski, and John G Breslin. Twitter classification model: The abc of two million fitness tweets. *The Journal of Translational Behavioral Medicine*, May 2013.
- [64] John G Breslin. From arcades to apps: The history of computer games is repeating itself / so you want to break into the games industry? here's how? *IEEE Consumer Electronics Magazine*, pages 59–63, January 2013.
- [65] Maged N Kamel Boulos, Bernd Resch, David N Crowley, John G Breslin, Gunho Sohn, Russ Burtner, William A Pike, Eduardo Jezierski, and Kuo-Yu Slayer Chang. Crowdsourcing, citizen sensing and sensor web technologies for public and environmental health surveillance and crisis management: Trends, ogc standards and application examples. *The International Journal of Health Geographics*, 10(67), December 2011. Most Accessed Article.
- [66] Hak-Lae Kim, John G Breslin, Han-Chieh Chao, and Lei Shu. Evolution of social networks based on tagging practices. *IEEE Transactions on Services Computing*, November 2011.
- [67] Hak-Lae Kim, Simon Scerri, Alexandre Passant, John G Breslin, Siegfried Handschuh, Stefan Decker, and Hong-Gee Kim. Integrating tagging into the web of data: Overview and combination of existing tag ontologies. *The Journal of Internet Technology*, 12(4), July 2011.

- [68] Hak-Lae Kim, John G Breslin, Stefan Decker, and Hong-Gee Kim. Mining and representing user interests: The case of tagging practices. *IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans*, July 2011.
- [69] Hak-Lae Kim, John G Breslin, Hong-Gee Kim, and Jae-Hwa Choi. Social semantic cloud of tags: Semantic model for folksonomies. *The Journal of Knowledge Management Research and Practice*, 8(3):193–202, October 2010.
- [70] Hak-Lae Kim, John G Breslin, and Jae-Hwa Choi. Semantic representation for copyright metadata of user-generated content in folksonomies. *Online Information Review*, 34(4):626–641, August 2010.
- [71] John G Breslin, David O’Sullivan, Alexandre Passant, and Laurentiu Vasiliu. Semantic web computing in industry. *Computers in Industry*, 61(8):729–741, June 2010.
- [72] Alexandre Passant, Matthias Samwald, John G Breslin, and Stefan Decker. Federating distributed social data to build an interlinked online information society. *IEEE Intelligent Systems*, 24(6):44–48, November 2009.
- [73] Hak-Lae Kim, Stefan Decker, and John G Breslin. Representing and sharing folksonomies with semantics. *The Journal of Information Science*, September 2009.
- [74] Tudor Groza, Siegfried Handschuh, John G Breslin, and Stefan Decker. An abstract framework for modeling argumentation in virtual communities. *The International Journal of Virtual Communities and Social Networking*, 1(3):37–49, July 2009.
- [75] Alexandre Passant, Philippe Laublet, John G Breslin, and Stefan Decker. A uri is worth a thousand tags: From tagging to linked data with moat. *The International Journal on Semantic Web and Information Systems*, 5(3):71–94, July 2009.
- [76] Sławomir Grzonkowski, Adam Gzella, Sebastian Ryszard Kruk, John G Breslin, Tomasz Woroniecki, and Jarosław Dobrzanski. Sharing information across community portals with foafrealm. *The International Journal of Web-Based Communities*, 3(5):351–370, May 2009.
- [77] Hak-Lae Kim, John G Breslin, Stefan Decker, and Jae-Hwa Choi. Personal knowledge management for knowledge workers using social semantic technologies. *The International Journal of Intelligent Information and Database Systems*, 3(1):28–43, January 2009.

- [78] Elizabeth Lawlor, John G Breslin, Laoise Renwick, Sharon Foley, Una Mulkerrin, Anthony Kinsella, Niall Turner, and Eadbhard O'Callaghan. Mental health literacy among internet users. *The Journal on Early Intervention in Psychiatry*, 2(4):247–255, October 2008.
- [79] Uldis Bojārs, John G Breslin, Vassilios Peristeras, Giovanni Tummarello, and Stefan Decker. Interlinking the social web with semantics. *IEEE Intelligent Systems*, 23(3):29–40, May 2008.
- [80] Uldis Bojārs, John G Breslin, Aidan Finn, and Stefan Decker. Using the semantic web for linking and reusing data across web 2.0 communities. *Special Issue on the Semantic Web and Web 2.0 in the Journal of Web Semantics*, 6(1):21–28, February 2008.
- [81] John G Breslin and Stefan Decker. The future of social networks on the internet: The need for semantics. *Internet Computing*, 11:86–90, November 2007.
- [82] John G Breslin, Stefan Decker, Andreas Harth, and Uldis Bojārs. Sioc: An approach to connect web-based communities. *The International Journal of Web-Based Communities*, 2(2):133–142, June 2006.
- [83] Uldis Bojārs, John G Breslin, Andreas Harth, and Stefan Decker. Towards semantically-interlinked online communities. *The UPGRADE European Journal for the Informatics Professional*, 6(6), December 2005.
- [84] Marco Neumann, Ina O'Murchu, John G Breslin, Stefan Decker, Deirdre Hogan, and Ciaran MacDonaill. Semantic social network portal for enterprise online communities. *The Journal of European Industrial Training (Special Edition)*, 29(6):472–487, August 2005.
- [85] John G Breslin and W Gerard Hurley. Critical choices in a system for optimised design of arbitrary waveform transformers. *The Journal of Circuits, Systems and Computers (JCSC)*, 13(4):919–928, August 2004.
- [86] W Gerard Hurley, Eugene Gath, and John G Breslin. Optimizing the ac resistance of multilayer transformer windings with arbitrary current waveforms. *IEEE Transactions on Power Electronics*, 15(2):369–376, March 2000. Prize Paper Award.
- [87] W Gerard Hurley, Werner Wölffe, and John G Breslin. Optimized transformer design: Inclusive of high frequency effects. *IEEE Transactions on Power Electronics*, 13(4):651–659, July 1998.
- [88] Sean Coughlan and John G Breslin. Handheld solutions for the retail sector. *The Irish Engineers Journal*, 57:53–54, November 2003.

- [89] Priyanka Verma, John G Breslin, Donna O'Shea, and R K Pateriya. A stacked ensemble method with adaptive attribute selection to detect ddos attack in cloud-assisted wban. In *The 4th International Conference on International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND 2022)*, December 2022.
- [90] Abdul Wahid, Muhammad Yahya, John G Breslin, and Muhammad I Ali. Self-attention transformer-based architecture for remaining useful life estimation of complex machines. In *The 4th International Conference on Industry 4.0 and Smart Manufacturing (ISM 2022)*, November 2022.
- [91] Mirco Soderi and John G Breslin. Crazy nodes: Towards ultimate flexibility in ubiquitous big data stream engineering, visualisation, and analytics, in smart factories. In *The 11th International Symposium on Leveraging Applications of Formal Methods (ISOLA 2022)*. Springer, October 2022.
- [92] Rory Ward and John G Breslin. Towards temporal stability in automatic video colourisation. In *The 24th Irish Machine Vision and Image Processing Conference (IMVIP 2022)*, August 2022. Best Oral Presentation Award.
- [93] Subhasis Thakur and John G Breslin. A model of decentralised distribution line using layer 2 blockchains. In *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*, July 2022.
- [94] Anupa De Silva, Subhasis Thakur, and John G Breslin. Profitable fee controller for payment channel networks. In *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*, July 2022.
- [95] Subhasis Thakur and John G Breslin. Decentralised argumentation for data vetting in blockchains. In *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*, July 2022.
- [96] Subhasis Thakur, John G Breslin, and Sweta Malik. Privacy-preserving energy trade using double auction in blockchain offline channels. In *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*, July 2022.
- [97] Saurabh Shukla, Subhasis Thakur, Shahid Hussain, John G Breslin, and Muslim Jameel Syed. Identification of false stealthy data injection attacks in smart meters using machine learning and blockchain. In *The 4th International Congress on Blockchain and Applications (BLOCKCHAIN 2022)*, July 2022.
- [98] Subhasis Thakur and John G Breslin. A decentralised reputation management system for internet of things data marketplace. In *The 14th International Conference on Information, Process, and Knowledge Management (eKNOW 2022)*, June 2022. Best Paper Award.

- [99] Sweta Malik, Subhasis Thakur, John G Breslin, and Maeve Duffy. Blockchain-based decentralized home energy management system using double auction. In *The 14th International Conference on Information, Process, and Knowledge Management (eKNOW 2022)*, June 2022.
- [100] Sweta Malik, Subhasis Thakur, Maeve Duffy, and John G Breslin. Double auction mechanisms for peer-to-peer energy trading: A comparative analysis. In *The 7th IEEE International Energy Conference (ENERGYCON 2022)*, May 2022.
- [101] Muhammad Jaleed Khan, John G Breslin, and Edward Curry. Expressive scene graph generation using commonsense knowledge infusion for visual understanding and reasoning. In *The 19th Extended Semantic Web Conference (ESWC 2022)*, May 2022.
- [102] Bharath Sudharsan, John G Breslin, Muhammad I Ali, Peter Corcoran, and Rajiv Ranjan. Elastiquant: Elastic quantization strategy for communication efficient distributed machine learning in iot. In *The 37th ACM/SIGAPP Symposium on Applied Computing (SAC 2022)*, April 2022.
- [103] Mirco Soderi, Vignesh Kamath, Jeff Morgan, and John G Breslin. Advanced analytics as a service in smart factories. In *The 20th IEEE Jubilee World Symposium on Applied Machine Intelligence and Informatics (SAMI 2022)*. IEEE, March 2022.
- [104] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. Imbal-ol: Online machine learning from imbalanced data streams in real-world iot. In *The 2021 IEEE International Conference on Big Data (BigData 2021)*, pages 4974–4978. IEEE, December 2021.
- [105] Bharath Sudharsan, Piyush Yadav, Duc-Duy Nguyen, Jefkine Kafunah, and John G Breslin. Ensemble methods for collective intelligence: Combining ubiquitous ml models in iot. In *The 2021 IEEE International Conference on Big Data (BigData 2021)*, pages 1960–1963. IEEE, December 2021.
- [106] Mirco Soderi, Vignesh Kamath, Jeff Morgan, and John G Breslin. Ubiquitous system integration as a service in smart factories. In *The 2021 IEEE International Conference on Internet of Things and Intelligence Systems (IoTaIS 2021)*. IEEE, November 2021.
- [107] Kosala Y Bandara and John G Breslin. Baas architecture for dapps and application for veterinary medicine case study in ireland. In *The 2021 International Symposium on Networks, Computers and Communications (ISNCC 2021)*, November 2021.

- [108] Saurabh Shukla, Subhasis Thakur, Shahid Hussain, and John G Breslin. A blockchain-enabled fog computing model for peer-to-peer energy trading in smart grid. In *The 3rd International Congress on Blockchain and Applications (BLOCKCHAIN 2021)*, October 2021.
- [109] Anupa De Silva, Subhasis Thakur, and John G Breslin. Towards micropayment for intermediary based trading. In *The 3rd International Congress on Blockchain and Applications (BLOCKCHAIN 2021)*, October 2021.
- [110] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. Globe2train: A framework for distributed ml model training using iot devices across the globe. In *The 18th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2021)*, October 2021.
- [111] Bharath Sudharsan, Piyush Yadav, John G Breslin, and Muhammad I Ali. Train++: An incremental ml model training algorithm to create self-learning iot devices. In *The 18th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2021)*, October 2021.
- [112] Saurabh Shukla, Subhasis Thakur, and John G Breslin. Anomaly detection in smart grid network using fc-based blockchain model and linear svm. In *The 7th International Conference on Machine Learning, Optimization and Data Science (LOD 2021)*, September 2021.
- [113] Bharath Sudharsan, Pankesh Patel, John G Breslin, and Muhammad I Ali. Enabling machine learning on the edge using sram conserving efficient neural networks execution approach. In *The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD 2021)*, September 2021.
- [114] Bharath Sudharsan, Piyush Yadav, John G Breslin, and Muhammad I Ali. An sram optimized approach for constant memory consumption and ultra-fast execution of ml classifiers on tinyml hardware. In *The 2021 IEEE International Conference on Services Computing (SCC 2021)*, September 2021.
- [115] Saurabh Shukla, Subhasis Thakur, and John G Breslin. Secure communication in smart meters using elliptic curve cryptography and digital signature algorithm. In *The 2021 IEEE International Conference on Cyber Security and Resilience (CSR 2021)*, July 2021.
- [116] Sweta Malik, Maeve Duffy, Subhasis Thakur, and John G Breslin. Fractional hedonic coalition formation game for peer to peer energy trading in a microgrid. In *The 7th IEEE International Energy Conference (ENERGYCON 2022)*, June 2021.

- [117] Bharath Sudharsan, Sweta Malik, Peter Corcoran, Pankesh Patel, John G Breslin, and Muhammad I Ali. Owsnet: Towards real-time offensive words spotting network for consumer iot devices. In *The 7th IEEE World Forum on Internet of Things (WF-IoT 2021)*, June 2021.
- [118] Bharath Sudharsan, Pankesh Patel, John G Breslin, and Muhammad I Ali. Ultra-fast machine learning classifier execution on iot devices without sram consumption. In *The 19th IEEE International Conference on Pervasive Computing and Communications (PerCom 2021)*, March 2021.
- [119] Saurabh Shukla, Subhasis Thakur, and John G Breslin. Secure data transmission in smart meters using q-learning in fog computing environment. In *The 6th International Congress on Information and Communication Technology (ICICT 2021)*, February 2021.
- [120] Parit Mehta, Rudresh Dwivedi, Ciaran Feeney, Pankesh Patel, Muhammad I Ali, and John G Breslin. Towards designing an explainable-ai based solution for livestock mart industry. In *The ACM India Joint International Conference on Data Science and Management of Data (CODS-COMAD 2021)*, January 2021. Young Researchers’ Symposium Track.
- [121] Sweta Malik, Maeve Duffy, Subhasis Thakur, Barry Hayes, and John G Breslin. Cooperative game theory-based peer-to-peer energy trading algorithm. In *The 12th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MEDPOWER 2020)*, November 2020.
- [122] Kosala Y Bandara, Subhasis Thakur, and John G Breslin. Enrichment of blockchain transaction management with semantic triples. In *The 3rd IEEE International Conference on Blockchain (Blockchain 2020)*, November 2020.
- [123] Subhasis Thakur and John G Breslin. An edge colouring-based collaborative routing protocol for blockchain offline channels. In *The 3rd IEEE International Conference on Blockchain (Blockchain 2020)*, November 2020.
- [124] Subhasis Thakur and John G Breslin. Coordinated landmark-based routing for blockchain offline channels. In *The 2nd International Conference on Blockchain Computing and Applications (IEEE BCCA 2020)*, November 2020.
- [125] Subhasis Thakur and John G Breslin. A model of decentralized social internet of things using blockchain offline channels. In *The 2nd International Conference on Blockchain Computing and Applications (IEEE BCCA 2020)*, November 2020.

- [126] Kosala Y Bandara, Subhasis Thakur, and John G Breslin. Renewable energy integration through coalition formation for p2p energy trading. In *The 3rd IEEE International Conference on Renewable Energy and Power Engineering (REPE 2020)*, October 2020. Best Presentation Award.
- [127] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. Edge2train: A framework to train machine learning models (svms) on resource-constrained iot edge devices. In *The 10th International Conference on the Internet of Things (ICIOT 2020)*, October 2020.
- [128] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. Rce-nn: A five-stage pipeline to execute neural networks (cnns) on resource-constrained iot edge devices. In *The 10th International Conference on the Internet of Things (ICIOT 2020)*, October 2020.
- [129] Subhasis Thakur and John G Breslin. Real-time peer-to-peer energy trade with blockchain offline channels. In *The 2020 IEEE International Conference on Power System Technology (IEEE POWERCON 2020)*, September 2020.
- [130] Subhasis Thakur and John G Breslin. Cost analysis of blockchains-based peer to peer energy trade. In *The 20th International Conference on Environmental and Electrical Engineering (EEEIC 2020)*, June 2020.
- [131] Bharath Sudharsan, John G Breslin, and Muhammad I Ali. Adaptive strategy to improve the quality of communication for iot edge devices. In *The 6th IEEE World Forum on Internet of Things (WF-IoT 2020)*, April 2020.
- [132] Safina Showkat Ara, Subhasis Thakur, and John G Breslin. Distributed aco based reputation management in crowdsourcing. In *The 12th International Conference on Internet and Distributed Computing Systems (IDCS 2019)*, October 2019.
- [133] Safina Showkat Ara, Subhasis Thakur, and John G Breslin. Secure and distributed crowd-sourcing task coordination using the blockchain mechanism. In *The 12th International Conference on Internet and Distributed Computing Systems (IDCS 2019)*, October 2019. Best Student Paper Award.
- [134] Subhasis Thakur and John G Breslin. A balanced routing algorithm for blockchain offline channels using flocking. In *The 1st International Congress on Blockchain and Applications (BLOCKCHAIN '19)*, volume 1010 of *AISC*, pages 79–86. Springer, June 2019.
- [135] Subhasis Thakur and John G Breslin. Collusion attack from hubs in the blockchain offline channel network. In *The 1st International Conference on*

Mathematical Research for Blockchain Economy (MARBLE 2019), pages 31–44. Springer Nature, May 2019.

- [136] Subhasis Thakur and John G Breslin. Electric vehicle charging queue management with blockchain. In *The 5th International Conference on Internet of Vehicles (IOV 2018)*, pages 249–264, November 2018.
- [137] Subhasis Thakur, Barry P Hayes, and John G Breslin. A unified model of peer-to-peer energy trade and electric vehicle charging using blockchains. In *The 11th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MEDPOWER 2018)*, November 2018.
- [138] Hoan Nguyen Mau Quoc, Martin Serrano, John G Breslin, and Danh Le Phuoc. A learning approach for query planning on spatio-temporal iot data. In *The 8th International Conference on the Internet of Things (IoT 2018)*, October 2018. Best Paper Award.
- [139] Subhasis Thakur, Barry P Hayes, and John G Breslin. Distributed double auction for peer-to-peer energy trade using blockchains. In *The 5th International Symposium on Environment Friendly Energies and Applications (EFEA 2018)*, September 2018.
- [140] Guangyuan Piao and John G Breslin. Learning to rank tweets with author-based long short-term memory networks. In *The 18th International Conference on Web Engineering (ICWE 2018)*, June 2018.
- [141] Guangyuan Piao and John G Breslin. Transfer learning for item recommendations and knowledge graph completion in item related domains via a co-factorization model. In *The 15th Extended Semantic Web Conference (ESWC 2018)*, June 2018.
- [142] Guangyuan Piao and John G Breslin. Factorization machines leveraging lightweight linked open data-enabled features for top-n recommendations. In *The 18th International Conference on Web Information Systems Engineering (WISE 2017)*, October 2017.
- [143] Safina Showkat Ara, Subhasis Thakur, and John G Breslin. Expertise discovery in decentralised online social networks. In *The 2017 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2017)*, July 2017.
- [144] Guangyuan Piao and John G Breslin. Leveraging followee list memberships for inferring user interests for passive users on twitter. In *The 28th ACM Conference on Hypertext and Social Media (Hypertext 2017)*, July 2017.

- [145] Guangyuan Piao and John G Breslin. Inferring user interests for passive users on twitter by leveraging followee biographies. In *The 39th European Conference on Information Retrieval (ECIR 2017)*, April 2017.
- [146] Guangyuan Piao and John G Breslin. Interest representation, enrichment, dynamics, and propagation: A study of the synergetic effect of different user modeling dimensions for personalized recommendations on twitter. In *The 20th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2016)*, November 2016.
- [147] Guangyuan Piao and John G Breslin. User modeling on twitter with word-net synsets and dbpedia concepts for personalized recommendations. In *The 25th ACM International Conference on Information and Knowledge Management (CIKM 2016)*, October 2016.
- [148] Guangyuan Piao and John G Breslin. Exploring dynamics and semantics of user interests for user modeling on twitter for link recommendations. In *The 12th International Conference on Semantic Systems (SEMANTiCS 2016)*, September 2016. Best Research and Innovation Paper Award.
- [149] Guangyuan Piao and John G Breslin. Analyzing aggregated semantics-enabled user modeling on twitter and google+ for personalized link recommendations. In *The 24th Conference on User Modelling, Adaptation and Personalization (UMAP 2016)*, July 2016.
- [150] Guangyuan Piao and John G Breslin. Measuring semantic distance for linked open data-enabled recommender systems. In *The 31st ACM/SIGAPP Symposium on Applied Computing (SAC 2016)*, April 2016.
- [151] Peiman Barnaghi, Parsa Ghaffari, and John G Breslin. Opinion mining and sentiment polarity on twitter and correlation between events. In *The 2nd IEEE International Conference on Big Data Computing Service and Applications (BigDataService 2016)*, March 2016.
- [152] David N Crowley, John G Breslin, and Edward Curry. Towards a citizen actuation framework for smart environments. In *The 21st IEEE International Symposium on Technology and Society (ISTAS 2015)*, pages 1–5, November 2015.
- [153] Guangyuan Piao, Safina Showkat Ara, and John G Breslin. Computing the semantic similarity of resources in dbpedia for recommendation purposes. In *The 5th Joint International Semantic Technology Conference (JIST 2015)*, November 2015. Best Paper Candidate.
- [154] Owen Sacco and John G Breslin. An authorisation and access control framework for information sharing on the semantic web. In *The 10th*

International Multi-Conference on Computing in the Global Information Technology (ICCGI 2015), October 2015.

- [155] Owen Sacco and John G Breslin. Towards privacy aware social semantic digital libraries. In *The 19th International Conference on Electronic Publishing (ELPUB 2015)*, September 2015.
- [156] Lukasz Porwol, Islam Hassan, Adegboyega Ojo, and John G Breslin. A knowledge extraction and management component to support spontaneous participation. In *The 7th IFIP International Conference on eParticipation (ePart 2015)*, volume 9249 of *LNCS*, pages 68–80. Springer, August 2015.
- [157] Myriam Leggieri, Brian Davis, and John G Breslin. Distributional semantics and unsupervised clustering for sensor relevancy prediction. In *The 11th IEEE International Wireless Communications and Mobile Computing Conference (IWCMC 2015)*, pages 210–215, August 2015.
- [158] Myriam Leggieri, Christian von der Weth, and John G Breslin. Using sensors to bridge the gap between real places and their web-based representations. In *The 10th IEEE International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP 2015)*, April 2015.
- [159] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. A semantic deliberation model for e-participation. In *The 6th IFIP International Conference on eParticipation (ePart 2014)*, September 2014.
- [160] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. A semantic model for e-participation - detailed conceptualization and ontology. In *The 15th International Conference on Digital Government Research (dg.o 2014)*, June 2014.
- [161] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. Harnessing the duality of e-participation - social software infrastructure design. In *The 7th International Conference on Theory and Practice of Electronic Governance (ICEGOV 2013)*, October 2013. Best Paper Award for Completed Research.
- [162] Owen Sacco, Matteo Collina, Gregor Schiele, Giovanni E Corazza, John G Breslin, and Manfred Hauswirth. Fine-grained access control for rdf data on mobile devices. In *The 14th International Conference on Web Information System Engineering (WISE 2013)*, October 2013.
- [163] Maciej Dabrowski, Keith Griffin, and John G Breslin. Real-time data aggregation in distributed enterprise social platforms. In *The 14th IFIP Working Conference on Virtual Enterprises (PRO-VE 2013)*, October 2013.

- [164] Owen Sacco and John G Breslin. “i like” - analysing interactions within social networks to assert the trustworthiness of users, sources and content. In *The 5th IEEE International Conference on Social Computing (SocialCom 2013)*, September 2013.
- [165] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. On the duality of e-participation - towards a foundation for citizen-led participation. In *The 2nd Joint International Conference on Electronic Government and the Information Systems Perspective and International Conference on Electronic Democracy (EGOVIS '13, EDEM '13)*, August 2013.
- [166] David N Crowley, Maciej Dabrowski, and John G Breslin. Decision support using linked, social, and sensor data. In *The 19th Americas Conference on Information Systems (AMCIS 2013)*, August 2013.
- [167] David N Crowley, Edward Curry, and John G Breslin. Closing the loop - from citizen sensing to citizen actuation. In *The 7th IEEE International Conference on Digital Ecosystems and Technologies (DEST 2013)*, July 2013.
- [168] Owen Sacco, John G Breslin, and Stefan Decker. Fine-grained trust assertions for privacy management in the social semantic web. In *The 12th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom '13)*, July 2013.
- [169] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. Structuring e-participation perspectives: Mapping and aligning models to core facets. In *The 14th Annual International Conference on Digital Government Research (d.go 2013)*, pages 224–234, June 2013.
- [170] Lukasz Porwol, Padraic O'Donoghue, John G Breslin, Chris Coughlan, and Brendan Mulligan. Social inclusion and digital divide: eparticipation dilemmas in municipalities. In *The 6th International Conference on Theory and Practice of Electronic Governance (ICEGOV 2012)*, pages 389–392, October 2012.
- [171] Owen Sacco, Maciej Dabrowski, and John G Breslin. Linking in-game events and entities to social data on the web. In *The 4th IEEE International Games Innovation Conference*, September 2012.
- [172] David N Crowley, John G Breslin, Peter Corcoran, and Karen Young. Gamification of citizen sensing through mobile social reporting. In *The 4th IEEE International Games Innovation Conference*, September 2012.
- [173] Fabrizio Orlandi, John G Breslin, and Alexandre Passant. Aggregated, interoperable and multi-domain user profiles for the social web. In *The 8th International Conference on Semantic Systems (I-SEMANTICS 2012)*, September 2012.

- [174] Owen Sacco and John G Breslin. Ppo and ppm 2.0: Extending the privacy preference framework to provide finer-grained access control for the web of data. In *The 8th International Conference on Semantic Systems (I-SEMANTICS 2012)*, September 2012.
- [175] Theodore A Vickey, John G Breslin, and Antonio Williams. Fitness - there's an app for that: Review of mobile fitness apps. In *The Third International Conference on Sport and Society (ICSS 2012)*, July 2012.
- [176] Theodore A Vickey and John G Breslin. A study on twitter usage for fitness self reporting via mobile apps. In *The AAAI 2012 Spring Symposium on Self-Tracking and Collective Intelligence for Personal Wellness*, March 2012.
- [177] Theodore A Vickey, Nancey Trevanian Tsai, and John G Breslin. Mobile fitness apps and twitter: A systemic review. In *The 8th International Symposium on Computer Science in Sport (IACSS 2011)*, pages 38–40, September 2011.
- [178] Sheila Kinsella, Mengjiao Wang, John G Breslin, and Conor Hayes. Improving categorisation in social media using hyperlinks to structured data sources. In *The 8th Extended Semantic Web Conference (ESWC '11)*, June 2011.
- [179] Sheila Kinsella, Alexandre Passant, and John G Breslin. Topic classification in social media using metadata from hyperlinked objects. In *The 33rd European Conference on Information Retrieval (ECIR 2011)*, April 2011.
- [180] Jodi Schneider, Alexandre Passant, and John G Breslin. Understanding and improving wikipedia article discussion spaces. In *The 26th ACM Symposium On Applied Computing (SAC 2011)*, March 2011.
- [181] Smitashree Choudhury and John G Breslin. Enriching videos with light semantics. In *The 4th International Conference on Advances in Semantic Processing (SEMAPRO 2010)*, pages 126–131, October 2010.
- [182] Jodi Schneider, Alexandre Passant, Tudor Groza, and John G Breslin. Argumentation 3.0: How semantic web technologies can improve argumentation modeling in web 2.0 environments. In *The 3rd International Conference on Computational Models of Argument (COMMA 2010)*, September 2010.
- [183] Sheila Kinsella, Alexandre Passant, and John G Breslin. Using hyperlinks to enrich message board content with linked data. In *The 6th International Conference on Semantic Systems (I-SEMANTICS 2010)*, September 2010.

- [184] Smitashree Choudhury and John G Breslin. User sentiment detection: A youtube use case. In *The 21st National Conference on Artificial Intelligence and Cognitive Science (AICS 2010)*, August 2010.
- [185] Alexandre Passant, John G Breslin, and Stefan Decker. Rethinking microblogging: Open, distributed, semantic. In *The 10th International Conference on Web Engineering (ICWE 2010)*, volume 6189 of *LNCS*, pages 263–277. Springer, July 2010.
- [186] Alexandre Passant, Antoine Zimmerman, Jodi Schneider, and John G Breslin. A semantic framework for modelling quotes in email conversations. In *The International Conference on Intelligent Semantic Web, Services and Applications (ISWSA 2010)*, June 2010.
- [187] Julie Letierce, Alexandre Passant, John G Breslin, and Stefan Decker. Understanding how twitter is used to spread scientific messages. In *The Web Science Conference 2010 (WebSci '10)*, April 2010.
- [188] Alexandre Passant, Philippe Laublet, John G Breslin, and Stefan Decker. Semslates: Improving enterprise 2.0 information systems. In *The 5th International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2009)*, November 2009.
- [189] Smitashree Choudhury, John G Breslin, and Alexandre Passant. Enrichment and ranking of the youtube tag space and integration with the linked data cloud. In *The 8th International Semantic Web Conference (ISWC 2009)*, October 2009.
- [190] Hak-Lae Kim, Simon Scerri, and John G Breslin. Analysis and representation of tagging practices in online communities. In *The AAAI 2009 Spring Symposium on Social Semantic Web: Where Web 2.0 Meets Web 3.0*, March 2009.
- [191] Alexandre Passant, Matthias Samwald, John G Breslin, and Stefan Decker. Federating distributed social data to build an interlinked online information society. In *The Web Science Conference 2009 (WebSci '09)*, March 2009.
- [192] Tudor Groza, Siegfried Handschuh, and John G Breslin. Adding provenance and evolution information to modularized argumentation models. In *The IEEE/WIC/ACM International Conference on Web Intelligence (WI '08)*, December 2008.
- [193] Smitashree Choudhury and John G Breslin. Using a lightweight multimedia content model for semantic annotation. In *The 8th Annual Conference on Information Technology and Telecommunication (IT&T 2008)*, October 2008.

- [194] Hak-Lae Kim, Simon Scerri, John G Breslin, Stefan Decker, and Hong-Gee Kim. The state of the art in tag ontologies: A semantic model for tagging and folksonomies. In *The 8th International Conference on Dublin Core and Metadata Applications (DC 2008)*, September 2008.
- [195] Sheila Kinsella, John G Breslin, Alexandre Passant, and Stefan Decker. Applications of semantic web methodologies and techniques to social networks and social websites. In *The Reasoning Web Summer School 2008 (RWSS 2008)*, volume 5224 of *LNCS*, pages 171–199, September 2008.
- [196] Hak-Lae Kim, Alexandre Passant, John G Breslin, Simon Scerri, and Stefan Decker. Review and alignment of tag ontologies for semantically-linked data in collaborative tagging spaces. In *The 2nd IEEE International Conference on Semantic Computing (ICSC 2008)*, August 2008.
- [197] Sheila Kinsella, Uldis Bojārs, Andreas Harth, John G Breslin, and Stefan Decker. An interactive map of semantic web ontology usage. In *The 12th International Conference on Information Visualisation (IV '08)*, pages 179–184, July 2008.
- [198] Uldis Bojārs, John G Breslin, and Alexandre Passant. Data portability with sioc and foaf. In *The European Web Technologies Conference (XTech 2008)*, May 2008.
- [199] Hak-Lae Kim, John G Breslin, Sung-Kwon Yang, Seung-Jae Song, and Hong-Gee Kim. int.ere.st: Building a tag sharing service with the scot ontology. In *The AAAI 2008 Spring Symposium on Social Information Processing (SIP 2008)*, March 2008.
- [200] Hak-Lae Kim, John G Breslin, Sung-Kwon Yang, and Hong-Gee Kim. Social semantic cloud of tags: A semantic model for social tagging. In *The 2nd KES International Symposium on Agent and Multi-Agent Systems: Technologies and Applications (KES AMSTA 2008)*, volume 4953 of *LNCS*, pages 83–92, March 2008.
- [201] Hak-Lae Kim, Sung-Kwon Yang, John G Breslin, and Hong-Gee Kim. Simple algorithms for representing tag frequencies in the scot exporter. In *The IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT '07)*, November 2007.
- [202] Sheila Kinsella, Andreas Harth, Alexander Trousoff, Mikhail Sogrin, John Judge, Conor Hayes, and John G Breslin. Navigating and annotating semantically-enabled networks of people and associated objects. In *The 4th Conference on Applications of Social Network Analysis (ASNA 2007)*, September 2007.

- [203] Sheila Kinsella, Andreas Harth, and John G Breslin. Network analysis of semantic connections in heterogeneous social spaces. In *The UK Social Network Conference*, July 2007.
- [204] Boanerges Aleman-Meza, Uldis Bojārs, Harold Boley, John G Breslin, Malgorzata Mochol, Lyndon J B Nixon, Axel Polleres, and Anna V Zhdanova. Combining rdf vocabularies for expert finding. In *The 4th European Semantic Web Conference (ESWC '07)*, June 2007.
- [205] John G Breslin, Ron Kass, and Uldis Bojārs. The boardscape: Creating a super social network of message boards. In *The International Conference on Weblogs and Social Media (ICWSM 2007)*, March 2007.
- [206] John G Breslin, Sławomir Grzonkowski, Adam Gzella, Sebastian Ryszard Kruk, and Tomasz Woroniecki. Sharing information across community portals with foafrealm. In *The 4th IADIS International Conference on Web-Based Communities (WBC 2007)*, February 2007.
- [207] Eyal Oren, Max Völkel, John G Breslin, and Stefan Decker. Semantic wikis for personal knowledge management. In *The 17th International Conference on Database and Expert Systems Applications (DEXA 2006)*, September 2006.
- [208] Knud Möller, Uldis Bojārs, and John G Breslin. Using semantics to enhance the blogging experience. In *The 3rd European Semantic Web Conference (ESWC '06)*, volume 4011 of *LNCS*, pages 679–696, June 2006.
- [209] Brahmananda Sapkota, Lars Ludwig, Xuan Zhou, and John G Breslin. Sifo-peers: A social foaf based peer-to-peer network. In *The 16th Annual International Information Management Association Conference (IIMA 2005)*, September 2005.
- [210] Knud Möller, John G Breslin, and Stefan Decker. semiblog - semantic publishing of desktop data. In *The 14th International Conference on Information Systems Development (ISD 2005)*, August 2005.
- [211] Andreas Harth, Hannes Gassert, Ina O’Murchu, John G Breslin, and Stefan Decker. Wikiont: An ontology for describing and exchanging wiki articles. In *The 1st International Wikimedia Conference (Wikimania 2005)*, August 2005.
- [212] John G Breslin, Andreas Harth, Uldis Bojārs, and Stefan Decker. Towards semantically-interlinked online communities. In *The 2nd European Semantic Web Conference (ESWC '05)*, volume 3532 of *LNCS*, pages 500–514, May 2005. Seven-Year Most Influential Paper Award.

- [213] John G Breslin, Stefan Decker, and Andreas Harth. An approach to connect web-based communities. In *The 2nd IADIS International Conference on Web-Based Communities (WBC 2005)*, pages 272–275, February 2005.
- [214] Sean Coughlan and John G Breslin. The application of modern pda technology for effective handheld solutions in the retail industry. In *The IEEE International Conference on Industrial Technology (ICIT '03)*, pages 411–415, December 2003.
- [215] John G Breslin and W Gerard Hurley. A web-based system for transformer design. In *The 7th International Conference on Knowledge-Based Intelligent Information and Engineering Systems (KES 2003)*, volume 2773 of *LNCS*, pages 715–721, September 2003.
- [216] W Gerard Hurley, Eugene Gath, and John G Breslin. Optimizing the ac resistance of multilayer transformer windings with arbitrary current waveforms. In *The 30th IEEE Power Electronics Specialists Conference (PESC '99)*, June 1999.
- [217] John G Breslin and W Gerard Hurley. Derivation of optimum winding thickness for duty cycle modulated current waveshapes. In *The 28th IEEE Power Electronics Specialists Conference (PESC '97)*, pages 655–661, June 1997.
- [218] John G Breslin and W Gerard Hurley. A novel optimisation scheme for designing high frequency transformer windings. In *The 31st Universities Power Engineering Conference (UPEC 1996)*, volume 1, pages 465–468, September 1996.
- [219] John G Breslin and W Gerard Hurley. Design of magnetic components using a graphical interface: Inclusive of high frequency effects. In *The 30th Universities Power Engineering Conference (UPEC 1995)*, volume 1, pages 347–350, September 1995.
- [220] Bharath Sudharsan, Dineshkumar Sundaram, Pankesh Patel, John G Breslin, and Muhammad I Ali. Botnet attacks detecting offline models for resource-constrained iot devices: Edge2guard. In *The 5th Workshop on Security, Privacy, and Trust in the Internet of Things (SPT-IoT 2021) at the 19th IEEE International Conference on Pervasive Computing and Communications (PerCom 2021)*, March 2021.
- [221] Bharath Sudharsan, Dineshkumar Sundaram, John G Breslin, and Muhammad I Ali. Avoid touching your face: A hand-to-face 3d motion dataset (covid-away) and trained models for smartwatches. In *The 1st Workshop on Internet of Things-Based Health Services and Applications (IOT-HSA 2020) at the 10th International Conference on the Internet of Things (IOT 2020)*, October 2020.

- [222] Muhammad I Ali, Pankesh Patel, and John G Breslin. Middleware for real-time event detection and predictive analytics in smart manufacturing. In *The International Workshop on IoT Applications and Industry 4.0 (IoTI4 2019) at the 15th International Conference on Distributed Computing in Sensor Systems (DCOSS 2019)*, May 2019.
- [223] Guangyuan Piao and John G Breslin. A study of the similarities of entity embeddings learned from different aspects of a knowledge base for item recommendations. In *The 1st Workshop on Deep Learning for Knowledge Graphs and Semantic Technologies (DL4KGS 2018) at the 15th Extended Semantic Web Conference (ESWC 2018)*, June 2018. Best Paper Award.
- [224] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. Towards a continuous modeling of natural language domains. In *The Workshop on Up-hill Battles in Language Processing (UBLP 2016) at the 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP 2016)*, November 2016.
- [225] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. Deep learning for multilingual aspect-based sentiment analysis. In *The International Workshop on Semantic Evaluation (SemEval 2016) at the 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2016)*, pages 330–336, June 2016.
- [226] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. Convolutional neural networks for sentiment classification and quantification. In *The International Workshop on Semantic Evaluation (SemEval 2016) at the 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2016)*, pages 178–182, June 2016.
- [227] Owen Sacco, George Thomas, and John G Breslin. Hada - an access controlled application for publishing and discovering linked government data. In *The International Workshop on Intelligent Exploration of Semantic Data (IESD 2012) at the 18th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2012)*, October 2012.
- [228] Bahareh Rahmanzadeh Heravi, Marie Boran, and John G Breslin. Towards social semantic journalism. In *The Workshop on the Potential of Social Media Tools and Data for Journalists (SocMedNews 2012) at the 6th International AAAI Conference on Weblogs and Social Media (ICWSM-12)*, June 2012.
- [229] David N Crowley, Alexandre Passant, and John G Breslin. Annotating microblog posts with sensor data for emergency reporting. In *The 4th International Workshop on Semantic Sensor Networks 2011 (SSN 2011) at the 10th International Semantic Web Conference (ISWC 2011)*, October 2011.

- [230] Smitashree Choudhury and John G Breslin. Extracting semantic entities and events from sports tweets. In *The 1st Workshop on Making Sense of Microposts (MSM 2011) at the 8th Extended Semantic Web Conference (ESWC 2011)*, May 2011.
- [231] Jodi Schneider, Alexandre Passant, and John G Breslin. Enhancing mediawiki talk pages with semantics for better coordination: A proposal. In *The 5th Workshop on Semantic Wikis: Linking Data and People Workshop (SemWiki 2010)*, May 2010.
- [232] Alexandre Passant, Paolo Ciccarese, John G Breslin, and Tim Clark. Swan/sioc: Aligning scientific discourse representation and social semantics. In *The 1st International Workshop on Semantic Web Applications in Scientific Discourse (SWASD 2009) at the 8th International Semantic Web Conference (ISWC 2009)*, October 2009.
- [233] Tuukka Hastrup, Uldis Bojārs, and John G Breslin. Sioclog: Providing irc discussion logs as linked data. In *The 2nd International Workshop on Social Data on the Web (SDOW 2009) at the 8th International Semantic Web Conference (ISWC 2009)*, October 2009.
- [234] Uldis Bojārs, Alexandre Passant, John G Breslin, and Stefan Decker. The sioc project: Semantically-interlinked online communities. In *The MALLOW Workshop on Coordination, Organization, Institutions and Norms in Agent Systems in Online Communities (COIN at MALLOW 2009)*, September 2009.
- [235] Smitashree Choudhury, John G Breslin, and Stefan Decker. A lightweight web video model with content and context descriptions for integration with linked data. In *The Workshop on Semantic Authoring, Annotation and Knowledge Markup Workshop (SAAKM 2009) at the 5th International Conference on Knowledge Capture (K-CAP 2009)*, September 2009.
- [236] Sheila Kinsella, Adriana Budura, Gleb Skobeltsyn, Sebastian Michel, John G Breslin, and Karl Aberer. From web 1.0 to web 2.0 and back - how did your grandma use to tag? In *The 10th ACM International Workshop on Web Information and Data Management (WIDM 2008)*, October 2008.
- [237] Christoph Lange, Uldis Bojārs, Tudor Groza, John G Breslin, and Siegfried Handschuh. Expressing argumentative discussions in social media sites. In *The 1st International Workshop on Social Data on the Web (SDOW 2008) at the 7th International Semantic Web Conference (ISWC 2008)*, October 2008.
- [238] Alexandre Passant, Tuukka Hastrup, Uldis Bojārs, and John G Breslin. Microblogging: A semantic web and distributed approach. In *The 4th*

Workshop on Scripting for the Semantic Web (SFSW 2008) at the 5th European Semantic Web Conference (ESWC '08), June 2008.

- [239] Uldis Bojārs, Alexandre Passant, John G Breslin, and Stefan Decker. Social networks and data portability using semantic web technologies. In *The 2nd Workshop on Social Aspects of the Web (SAW 2008) at the 11th International Conference on Business Information Systems (BIS 2008)*, May 2008.
- [240] Uldis Bojārs, Alexandre Passant, and John G Breslin. Weaving sioc into the web of linked data. In *The Workshop on Linked Data on the Web (LDOW 2008) at the 17th International World Wide Web Conference (WWW2008)*, April 2008.
- [241] Uldis Bojārs and John G Breslin. From online community data to rdf. In *W3C Workshop on RDF Access to Relational Databases*, October 2007.
- [242] Ke Ning, Vassilios Peristeras, Uldis Bojārs, and John G Breslin. A sioc-enabled explorer of shared workspaces. In *The Workshop on CSCW and Web 2.0 at the 10th European Conference on Computer Supported Cooperative Work (ECSCW 2007)*, September 2007.
- [243] Uldis Bojārs, Alexandre Passant, Frederick Giasson, and John G Breslin. An architecture to discover and query decentralised rdf data. In *The 3rd Workshop on Scripting for the Semantic Web at the 4th European Semantic Web Conference (ESWC '07)*, June 2007.
- [244] John G Breslin, Uldis Bojārs, Boanerges Aleman-Meza, Harold Boley, Malgorzata Mochol, Lyndon J B Nixon, Axel Polleres, and Anna V Zhdanova. Finding experts using internet-based discussions in online communities and associated social networks. In *The 1st International ExpertFinder Workshop (EFW 2007)*, January 2007.
- [245] Uldis Bojārs and John G Breslin. Resumerdf: Expressing skill information on the semantic web. In *The 1st International ExpertFinder Workshop (EFW 2007)*, January 2007.
- [246] Hee-Chul Choi, Sebastian Ryszard Kruk, Sławomir Grzonkowski, Katarzyna Stankiewicz, Brian Davis, and John G Breslin. Trust models for community aware identity management. In *The Identity, Reference and Web Workshop (IRW2006) at the 15th International World Wide Web Conference (WWW2006)*, May 2006.
- [247] Andreas Harth, John G Breslin, Ina O'Murchu, and Stefan Decker. Linking semantically-enabled online community sites. In *The 1st Workshop on Friend of a Friend, Social Networking and the (Semantic) Web (FOAF Galway)*, pages 19–29, September 2004.

- [248] Ina O'Murchu, John G Breslin, and Stefan Decker. Online social and business networking communities. In *The Workshop on the Application of Semantic Web Technologies to Web Communities at the 16th European Conference on Artificial Intelligence 2004 (ECAI 2004)*, August 2004.
- [249] John G Breslin and W Gerard Hurley. Computer aided high frequency transformer design using an optimized methodology. In *The 7th IEEE Workshop on Computers in Power Electronics (COMPEL 2000)*, pages 268–271, July 2000.
- [250] Glenn Skutt, Fred C Lee, and John G Breslin. Measurement issues in the characterization of ferrite magnetic material. In *VPEC Seminar Series*, September 1996.
- [251] Bharath Sudharsan, Sonu Prasad, Dan Jose, and John G Breslin. Tmm-tinyml: Tensor memory mapping (tmm) method for tiny machine learning (tinyml). In *The 28th Annual International Conference On Mobile Computing And Networking (MobiCom 2022)*. ACM, October 2022.
- [252] Dhruv Sheth, Bharath Sudharsan, John G Breslin, and Muhammad I Ali. Embedded ml pipeline for precision agriculture. In *The 21st ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN 2022)*. ACM, May 2022.
- [253] Bharath Sudharsan, Simone Salerno, Piyush Yadav, and John G Breslin. Approach for remote, on-demand loading and execution of tensorflow lite ml models on arduino iot boards. In *The 21st ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN 2022)*. ACM, May 2022.
- [254] Bharath Sudharsan, Dhruv Sheth, Shailesh Arya, Federica Rollo, Piyush Yadav, Pankesh Patel, John G Breslin, and Muhammad I Ali. Elasticl: Elastic quantization for communication efficient collaborative learning in iot. In *The 19th ACM Conference on Embedded Networked Sensor Systems (SenSys '21)*. ACM, November 2021.
- [255] Radhya Sahal, John G Breslin, and Muhammad I Ali. On evaluating the impact of changes in iot data streams rate over query window configurations. In *The 13th ACM International Conference on Distributed and Event-Based Systems (DEBS 2019)*. ACM, June 2019.
- [256] Alessia Antelmi, John G Breslin, and Karen Young. Understanding user engagement with entertainment media: A case study of the twitter behaviour of game of thrones (got) fans. In *The 2018 IEEE Games, Entertainment and Media Conference (GEM 2018)*, August 2018.

- [257] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. A hierarchical model of reviews for aspect-based sentiment analysis. In *The 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP 2016)*, November 2016.
- [258] Guangyuan Piao and John G Breslin. Analyzing mooc entries of professionals in linkedin for user modeling and personalized mooc recommendations. In *The 24th Conference on User Modelling, Adaptation and Personalization (UMAP 2016)*, July 2016.
- [259] Guangyuan Piao and John G Breslin. Dbquote: A social web-based system for collecting and sharing wisdom quotes. In *The 5th Joint International Semantic Technology Conference (JIST 2015)*, November 2015.
- [260] Peiman Barnaghi, Parsa Ghaffari, and John G Breslin. Text analysis and sentiment polarity on fifa world cup 2014 tweets. In *The Workshop on Large-Scale Sports Analytics (LSSA 2015) at the 21st ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2015)*, August 2015.
- [261] Lukasz Porwol, Islam Hassan, Adegboyega Ojo, and John G Breslin. Harnessing spontaneous participation on social media: Implementing the knowledge extraction component. In *The 16th International Conference on Digital Government Research (dg.o 2015)*, pages 333–334, May 2015.
- [262] Lukasz Porwol, Adegboyega Ojo, and John G Breslin. A semantic model for e-participation. In *The 5th IFIP International Conference on eParticipation (ePart 2013)*, September 2013.
- [263] Roberto Covello, Giancarlo Fortino, Raffaele Gravina, Antonio Aguilar, and John G Breslin. Novel method and real-time system for detecting the cardiac defense response based on the ecg. In *The 8th International Symposium on Medical Measurements and Applications (MEMEA 2013)*, May 2013.
- [264] Lukasz Porwol, Padraic O’Donoghue, John G Breslin, Brendan Mulligan, and Chris Coughlan. eparticipation and transport management: A practical approach. In *The 13th International Conference on Digital Government Research (dg.o 2012)*, pages 278–279, June 2012.
- [265] Julie Letierce, Alexandre Passant, John G Breslin, and Stefan Decker. Using twitter during an academic conference: The iswc2009 use-case. In *The 4th International Conference on Weblogs and Social Media (ICWSM-10)*, May 2010.
- [266] Alexandre Passant, Uldis Bojārs, John G Breslin, Tuukka Hastrup, Milan Stankovic, and Philippe Laublet. An overview of smob 2: Open, semantic

- and distributed microblogging. In *The 4th International Conference on Weblogs and Social Media (ICWSM-10)*, May 2010.
- [267] Smitashree Choudhury and John G Breslin. Focused concept detection and polarity measurement of web videos using social context. In *The Web Science Conference 2010 (WebSci '10)*, April 2010.
 - [268] Jodi Schneider, Alexandre Passant, and John G Breslin. A content analysis: How wikipedia talk pages are used. In *The Web Science Conference 2010 (WebSci '10)*, April 2010.
 - [269] Sheila Kinsella, Alexandre Passant, and John G Breslin. Ten years of hyperlinks in online conversations. In *The Web Science Conference 2010 (WebSci '10)*, April 2010.
 - [270] Alexandre Passant, Philippe Laublet, John G Breslin, and Stefan Decker. Semantic search for enterprise 2.0. In *The Workshop on Semantic Search (SemSearch2009) at the 18th International World Wide Web Conference (WWW2009)*, April 2009.
 - [271] Eyal Oren, Stefan Decker, and John G Breslin. How semantics make better wikis. In *The 15th International World Wide Web Conference (WWW2006)*, May 2006.
 - [272] Aidan Hogan, Andreas Harth, and John G Breslin. Podcast pinpointer: A multimedia semantic web application. In *The 2nd European Workshop on the Integration of Knowledge, Semantic and Digital Media Technologies (EWIMT 2005)*, November 2005.
 - [273] Ina O'Murchu, John G Breslin, Stefan Decker, and Marco Neumann. Sneachta and the puii: The semantic social network portal. In *The 3rd International Semantic Web Conference (ISWC 2004)*, November 2004.
 - [274] Muhammad Yahya, Baifan Zhou, Zhuoxun Zheng, Dongzhuoran Zhou, John G Breslin, Muhammad I Ali, and Evgeny Kharlamov. Towards generalized welding ontology in line with iso and knowledge graph construction. In *The 19th Extended Semantic Web Conference (ESWC 2022)*, May 2022.
 - [275] Federica Rollo, Bharath Sudharsan, Laura Po, and John G Breslin. Air quality sensor network data acquisition, cleaning, visualization, and analytics: A real-world iot use case. In *The ACM International Joint Conference on Pervasive and Ubiquitous Computing and the 25th Annual International Symposium on Wearable Computers (UbiComp / ISWC 2021)*, September 2021.

- [276] Mirco Soderi and John G Breslin. Bluetooth low energy peripherals and edge-to-cloud data assessment as a service, with docker, node-red, mqtt, scala, spark, kafka, hdfs, and android sdk: A demo. In *The 30th Irish Conference on Artificial Intelligence and Cognitive Science (AICS 2022)*, December 2022.
- [277] Mirco Soderi, Vignesh Kamath, and John G Breslin. Toward an api-driven infinite cyber-screen for custom real-time display of big data streams. In *The 8th IEEE International Conference on Smart Computing (SMARTCOMP 2022)*, June 2022.
- [278] Mirco Soderi, Vignesh Kamath, and John G Breslin. A demo of a software platform for ubiquitous big data engineering, visualization, and analytics, via reconfigurable micro-services, in smart factories. In *The 8th IEEE International Conference on Smart Computing (SMARTCOMP 2022)*, June 2022.
- [279] Kavya Kopparapu, Eric Lin, John G Breslin, and Bharath Sudharsan. Tinyfedtl: Federated transfer learning on ubiquitous tiny iot devices. In *The 20th International Conference on Pervasive Computing and Communications (PerCom 2022)*, March 2022.
- [280] Bharath Sudharsan, Simone Salerno, Duc-Duy Nguyen, Muhammad Yahya, Abdul Wahid, Piyush Yadav, John G Breslin, and Muhammad I Ali. Tinyml benchmark: Executing fully connected neural networks on commodity microcontrollers. In *The 7th IEEE World Forum on Internet of Things (WF-IoT 2021)*, June 2021.
- [281] Bharath Sudharsan, Pankesh Patel, Abdul Wahid, Muhammad Yahya, John G Breslin, and Muhammad I Ali. Porting and execution of anomalies detection models on embedded systems in iot. In *The 6th ACM/IEEE International Conference on Internet of Things Design and Implementation (IOTDI 2021)*, May 2021.
- [282] Bharath Sudharsan, Pankesh Patel, John G Breslin, and Muhammad I Ali. Sram optimized porting and execution of machine learning classifiers on mcu-based iot devices. In *The 12th ACM/IEEE International Conference on Cyber-Physical Systems (ICCPS 2021)*, May 2021.
- [283] Vatsal Patel, Sarth Kanani, Tapan Pathak, Pankesh Patel, Muhammad I Ali, and John G Breslin. An intelligent doorbell design using federated deep learning. In *The ACM India Joint International Conference on Data Science and Management of Data (CODS-COMAD 2021)*, January 2021.
- [284] Georgia M Kapitsaki and John G Breslin. Searching over mobile user activity. In *The 1st KEYSTONE Open Conference*, September 2015.

- [285] Owen Sacco, Alexandre Passant, and John G Breslin. User controlled privacy for filtering the web of data with a user-friendly manager. In *The 8th International Conference on Semantic Systems (I-SEMANTICS 2012)*, September 2012.
- [286] Alexandre Passant, John G Breslin, and Stefan Decker. Open, distributed and semantic microblogging with smob. In *The 10th International Conference on Web Engineering (ICWE 2010)*, volume 6189 of *LNCS*, pages 263–277. Springer, July 2010.
- [287] Alexandre Passant, Tuukka Hastrup, Uldis Bojārs, and John G Breslin. A distributed semantic microblogging platform. In *The 4th Workshop on Scripting for the Semantic Web (SFSW 2008) at the 5th European Semantic Web Conference (ESWC '08)*, June 2008. 2nd Prize Award.
- [288] Alexandre Passant, Uldis Bojārs, Frederick Giasson, and John G Breslin. Smart tools to easily discover and query decentralised semantic web data. In *The 4th European Semantic Web Conference (ESWC '07)*, June 2007.
- [289] Guangyuan Piao and John G Breslin. Domain-aware sentiment classification with grus and cnns. In *Semantic Web Challenges: Revised Selected Papers from the 5th Semantic Web Evaluation Challenge (SemWebEval 2018) at the 15th Extended Semantic Web Conference (ESWC 2018)*, volume 927 of *CCIS*, pages 129–139. Springer, October 2018. 1st Place out of 10 Teams in the 5th Semantic Sentiment Analysis Challenge.
- [290] Guangyuan Piao and John G Breslin. Financial aspect and sentiment predictions with deep neural networks: An ensemble approach. In *Challenge on Financial Opinion Mining and Question Answering at the 27th Web Conference 2018 (WWW 2018)*, April 2018.
- [291] Guangyuan Piao and John G Breslin. An ensemble approach for entity type prediction over linked data. In *Challenge on Entity Type Prediction over Linked Data at the 5th Joint International Semantic Technology Conference (JIST 2015)*, November 2015. 4th Place out of 13 Teams.
- [292] Hak-Lae Kim, Sung-Kwon Yang, Ji-Woong Jung, Kwang-Sub Kim, John G Breslin, Stefan Decker, and Hong-Gee Kim. Combining tags and the semantic web for linked tagging data. In *The 6th Semantic Web Challenge at the 7th International Semantic Web Conference (ISWC 2008)*, October 2008.
- [293] Hak-Lae Kim, Sung-Kwon Yang, Seung-Jae Song, John G Breslin, and Hong-Gee Kim. Tag mediated society with scot ontology. In *The 5th Semantic Web Challenge at the 6th International Semantic Web Conference (ISWC 2007)*, November 2007.

- [294] Alexandre Passant, Michael Hausenblas, Sean O’Riain, Kingsley Idehen, John G Breslin, and Stefan Decker. Social semantics and linked data for improving access to financial data on the web, October 2009.
- [295] John G Breslin, Stefan Decker, Manfred Hauswirth, Gearóid Hynes, Danh Le Phuoc, Alexandre Passant, Axel Polleres, Cornelius Rabsch, and Vinny Reynolds. Integrating social networks and sensor networks, January 2009.
- [296] John G Breslin, Uldis Bojārs, Alexandre Passant, Sergio Fernández, and Stefan Decker. Sioc: Content exchange and semantic interoperability between social networks, January 2009.
- [297] Ina O’Murchu, John G Breslin, and Stefan Decker. Social networking portals: An overview and evaluation, September 2004.
- [298] John G Breslin. Creating a social network from an existing bulletin board community, September 2004.
- [299] Nova Spivack, William D McDaniel, and John G Breslin. Systems and methods of user-defined streams containing user-specified frames of multimedia content, September 2012.
- [300] Antonio Aguilar, Fabio Quondamatteo, Faisal Sharif, Gearóid Ó Laighin, and John G Breslin. Method and apparatus for identifying subjects at risk of sudden arrhythmic death, 2012.
- [301] John G Breslin. *Optimisation of High Frequency Transformer Design with Arbitrary Current and Voltage Waveforms*. PhD thesis, National University of Ireland, Galway, April 2002.
- [302] Bharath Sudharsan, Dineshkumar Sundaram, Pankesh Patel, John G Breslin, Muhammad I Ali, Schahram Dustdar, Albert Zomaya, and Rajiv Ranjan. Multi-component optimization and efficient deployment of neural-networks on resource-constrained iot hardware. Technical report, Confirm SFI Research Centre for Smart Manufacturing, National University of Ireland Galway, April 2022.
- [303] Dixon Vimalajeewa, Subhasis Thakur, John G Breslin, Donagh P Berry, and Sasitharan Balasubramaniam. Block chain and internet of nano-things for optimizing chemical sensing in smart farming. Technical report, VistaMilk SFI Research Centre for Digitalising Dairy, National University of Ireland Galway, October 2020.
- [304] Guangyuan Piao and John G Breslin. Inferring user interests in microblogging social networks: A survey. Technical report, Insight SFI Research Centre for Data Analytics, National University of Ireland Galway, October 2017.

- [305] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. Data selection strategies for multi-domain sentiment analysis. Technical report, Insight SFI Research Centre for Data Analytics, National University of Ireland Galway, February 2017.
- [306] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. Knowledge adaptation: Teaching to adapt. Technical report, Insight SFI Research Centre for Data Analytics, National University of Ireland Galway, February 2017.
- [307] Sebastian Ruder, Parsa Ghaffari, and John G Breslin. Character-level and multi-channel convolutional neural networks for large-scale authorship attribution. Technical report, Insight SFI Research Centre for Data Analytics, National University of Ireland Galway, September 2016.
- [308] Raquel Amaro, John G Breslin, Jorge Cardoso, Francesco Guerra, Raquel Trillo-Lado, and Yannis Velegrakis. Keystone ic1302 white paper: Collecting and generating new ideas. Technical report, KEYSTONE COST Action IC1302, October 2014.
- [309] John G Breslin, David Card, Maciej Dabrowski, and Mark Mulligan. Sizing the eu app economy: Eurapp final report. Technical report, Directorate-General for Communications Networks, Content and Technology, European Commission, July 2014.
- [310] John G Breslin, David Card, Maciej Dabrowski, and Mark Mulligan. Sizing the eu app economy: Eurapp executive summary. Technical report, Directorate-General for Communications Networks, Content and Technology, European Commission, July 2014.
- [311] Dan Brickley, Libby Miller, Toby Inkster, Yi Zeng, Yan Wang, Danica Damljanovic, Zhisheng Huang, Sheila Kinsella, John G Breslin, and Bob Ferris. The cognitive characteristics ontology. Technical report, User (Weighted) Interests Ontology Working Group, VoCamp, September 2010.
- [312] Dan Brickley, Libby Miller, Toby Inkster, Yi Zeng, Yan Wang, Danica Damljanovic, Zhisheng Huang, Sheila Kinsella, John G Breslin, and Bob Ferris. The weighted interests vocabulary. Technical report, User (Weighted) Interests Ontology Working Group, VoCamp, September 2010.
- [313] Andy Seaborne, Geetha Manjunath, Chris Bizer, John G Breslin, Souripriya Das, Ian Davis, Steve Harris, Kingsley Idehen, Olivier Corby, Kjetil Kjernsmo, and Benjamin Nowack. Sparql update - a language for updating rdf graphs. W3c member submission, World Wide Web Consortium, July 2008.
- [314] Uldis Bojārs, John G Breslin, Diego Berrueta, Dan Brickley, Stefan Decker, Sergio Fernández, Christoph Görn, Andreas Harth, Tom Heath,

Kingsley Idehen, Kjetil Kjernsmo, Alistair Miles, Alexandre Passant, Axel Polleres, Luis Polo, and Michael Sintek. Sioc core ontology specification. W3c member submission, World Wide Web Consortium, June 2007.

- [315] Uldis Bojārs, John G Breslin, Alexandre Passant, Sergio Fernández, Frederick Giasson, and Kingsley Idehen. Sioc ontology: Applications and implementation status. W3c member submission, World Wide Web Consortium, June 2007.
- [316] Uldis Bojārs, John G Breslin, Alexandre Passant, and Axel Polleres. Sioc ontology: Related ontologies and rdf vocabularies. W3c member submission, World Wide Web Consortium, June 2007.
- [317] Ina O’Murchu, John G Breslin, and Stefan Decker. Online social and business networking communities. Technical report, Digital Enterprise Research Institute, National University of Ireland Galway, August 2004.
- [318] Andreas Harth, John G Breslin, and Stefan Decker. Linking semantically enabled online community sites. Technical report, Digital Enterprise Research Institute, National University of Ireland Galway, August 2004.
- [319] Ina O’Murchu, John G Breslin, and Stefan Decker. Semantic web portal: Community portal survey. Technical report, Digital Enterprise Research Institute, National University of Ireland Galway, April 2004.
- [320] John G Breslin. Galway city innovation district. Best Poster Award, MIT Innovation Ecosystem (iEcosystem) Symposium, October 2017.
- [321] Dianne HB Welsh, Eugene Kaciak, and John G Breslin. Irish women entrepreneurs: Opportunities and challenges for international growth. The 21st McGill International Entrepreneurship Conference, August 2017.