David Belanger is currently a Senior Research Fellow at Stevens Institute of Technology. In this role he continues his work in Big Data Technology, Applications, and Governance. He teaches and is a leader in the Business Intelligence & Analysis Masters Degree program,

In addition, he is involved in consulting related to Big Data in areas such as Telecommunications Services, Health Care, Security, and Networking. He is the co-leader of the IEEE Big Data Initiative (bigdata.ieee.org) and on the steering committee of the New Jersey Big Data Alliance (njbigdata.org).

Prior to this role, Dr. Belanger was Chief Scientist of AT&T Labs, and Vice President of Information, Software, & Systems Research at AT&T Shannon Labs in Florham Park, NJ. The Information, Software & Systems Research Lab conducted research in: large scale and real time information mining related to operations of a (communications) service business; interactive, information visualization; scalable, dependable software systems; and new, information based, communications services. It was also responsible for delivery and operations of very large scale (e.g. petabyte), near real time service management capabilities to AT&T, and its customers, as well as a wide variety of analytic and information mining services. He was the creator of the AT&T InfoLab, an organization aimed at optimizing the value gained from data for AT&T. InfoLab was a very early participant in "Big Data" research and practice. It performed data oriented projects across the spectrum of telecommunications services including: networking, mobility, operations, customer interactions, services, and fraud/security.

Accomplishments ranged from revolutionizing the corporate fraud systems and systems for measuring customer experience for each customer in the Mobility Business, to winning the Netflix Prize in 2009. They also included the development of world class tools used in Big Data. As Chief Scientist, he interacted with customers, suppliers, and government to articulate the company's technological directions.

Dave joined Bell Laboratories in 1979. He has led research in software systems and engineering, information mining, information visualization, and development in very large scale data systems. He built the Software Engineering Research Department which provided software tools and techniques used across AT&T Bell Labs, and via open source, across the world. He has been awarded 24 patents.

Steven Collier is the Director of Smart Grid Strategies at Milsoft Utility Solutions. Operating from his office in Austin, Texas, he assists Milsoft with corporate business development and industry relations. Since starting his career at Houston Lighting & Power in the early 1970s, he has worked as a consultant or executive with energy, telecom and technology companies in the United States and abroad. He has degrees in electrical engineering from the University of Houston and Purdue University, and is a designated IEEE smart grid expert. Besides

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Kathy Grise is a Senior Program Director at IEEE, supports new technology initiatives, and is the IEEE staff program director for the Big Data Initiative and the IEEE Technology Navigator, and manages the digital presence team for Future Directions. Prior to joining the IEEE staff, she held numerous positions at IBM, and most recently was a Senior Engineering Manager for Process Design Kit Enablement in the IBM Semiconductor Research and Development Center. Ms. Grise lead the overall IT infrastructure implementation, and software development in support of semiconductor device modeling verification, packaging, and delivery; device measurement and characterization data collection and management, and automation for device modeling. She is an IEEE Senior Member.

Carolyn McGregor is the Canada Research Chair in Health Informatics based at the University of Ontario Institute of Technology. Dr McGregor has led pioneering research in Big Data analytics, real-time event stream processing, temporal data stream data mining, business process modelling and cloud computing. She now progresses this research within the context of critical care medicine, mental health, astronaut health and military and civilian tactical training.

Professor McGregor has a track record of leadership in Health Informatics across, research, teaching, university governance and service to the profession. She is an international leading researcher in the area of critical care health informatics and in particular neonatal health informatics for which she has been researching for over 15 years. She has been awarded over $10 million in research, consultancy and infrastructure funding and has led multiple large research programs including a multi-million dollar First of A Kind (FOAK) research program with IBM. She has over 100 refereed publications, has been awarded 1 patent and filed 2 others and has established two startup companies resulting from her research. She has extensive research collaborations in Canada, China, USA, Russia, Australia and Ireland.

The Artemis research project, which she leads, received the 2013 Information Association of Canada (ITAC) Ingenious Award for the Not-for-Profit category. In 2014 she was awarded membership in the Order of Australia for her significant service to science and innovation through health care information systems. In 2015 she was awarded the Advance Global Australian award for Technology Innovation, an award for Australian diaspora. In 2016 she serves as Chair of the IEEE Life Sciences Technical Community.

She received her bachelor of applied science in computer science honours degree, and her PhD degree in computer science from the University of Technology, Sydney.

Xin Yao is a Professor of Computer Science and the Director of CERCIA (Centre of Excellence for Research in Computational Intelligence and Applications) at the University of Birmingham, UK. His main research interests include nature-inspired computation and its applications in optimisation and data analytics. In particular, he has been working on class imbalance learning and online learning for defect prediction and diagnosis, and multi-objective optimisation and learning. He is an IEEE Fellow and a Distinguished Lecturer of IEEE Computational Intelligence Society (CIS). His work won the 2001 IEEE Donald G. Fink Prize Paper Award, 2010 and 2015 IEEE Transactions on Evolutionary Computation Outstanding Paper Awards, 2010 BT Gordon Radley Award for Best Author of Innovation (Finalist), 2011 IEEE Transactions on Neural Networks Outstanding Paper Award, and many other best paper awards. He won the prestigious Royal Society Wolfson Research Merit Award in 2012 and the 2013 IEEE CIS Evolutionary Computation Pioneer Award. He was the Editor-in-Chief (2003-08) of IEEE Transactions on Evolutionary Computation and the Immediate Past President (2016) of IEEE CIS.