

MIT Industrial Liaison Program Faculty Knowledgebase Report

Next-Gen Data Management: Future-Proofing Your Data

March 10, 2022 11:00 am - 12:35
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11:00 AM

Welcome and Introduction
Sheri Brodeur
Director, [MIT Corporate Relations](#)



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Sheri Brodeur is a Director of Corporate Relations at MIT. Prior to this, she spent 22 years at Hewlett-Packard Company in several roles. Her most recent position was in the HP Labs Strategy and Innovation Office. The role of this organization is to set HP Labs' research strategy and extend HP's internal research capacity by partnering with universities, governments, and other companies on a global scale to rapidly advance the positive impact of technology on the world.

Sheri spent 15 years with HP Labs, HP's corporate researcher center, managing major university alliances and programs, including a \$25M program with MIT. She has been responsible for managing global higher education technology programs in the areas of Security, Digital Libraries (DSpace), Information Management, and Sustainability.

Prior to this role she spent the previous eight years at Hewlett-Packard in the sales organization moving from the position of Field Sales Engineer to Global Account Manager. In this role she was responsible for selling, supporting and delivering high end test and measurement solutions for the communications industry.

Brodeur has a BS in Ceramic Engineering from Alfred University and an MS in Solid State Science from the Materials Research Laboratory at Penn State University.

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The Modern Data Stack
Kalyan Veeramachaneni

Principal Research Scientist
MIT Laboratory for Information and Decision Systems



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Kalyan is a principal research scientist in the Laboratory for Information and Decision Systems (LIDS, MIT). Previously he was a research scientist at CSAIL (CSAIL, MIT). His primary research interests are in machine learning and building large scale statistical models that enable discovery from large amounts of data. His research is at the intersection of big data, machine learning, and data science. He directs a research group called Data to AI in the new MIT Institute for Data Systems and Society (IDSS). The group is interested in big data science and machine learning, and is focused on how to solve foundational issues preventing artificial intelligence and machine learning solutions from reaching their full potential for societal applications.

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The 8 Biggest Mistakes that C-Level People Make

Michael Stonebraker

Adjunct Professor, [MIT CSAIL](#)



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Adjunct Professor

[MIT CSAIL](#)

Mike Stonebraker is an adjunct professor at MIT CSAIL and a database pioneer who specializes in database management systems and data integration. He was awarded the 2014 A.M. Turing Award (known as the “Nobel Prize of computing”) by the Association for Computing Machinery for his “fundamental contributions to the concepts and practices underlying modern database systems as well as their practical application through nine start-up companies that he has founded.”

Professor Stonebraker has been a pioneer of database research and technology for more than 40 years, and is the author of scores of papers in this area. Before joining CSAIL in 2001, he was a professor of computer science at the University of California Berkeley for 29 years. While at Berkeley, he was the main architect of the INGRES relational DBMS; the object-relational DBMS POSTGRES; and the federated data system Mariposa. After joining MIT, he was the principal architect of C-Store (a column store commercialized by Vertica), H-Store, a main memory OLTP engine (commercialized by VoltDB), and SciDB (an array engine commercialized by Paradigm4). In addition, he has started three other companies in the big data space, including Tamr. He also co-founded the Intel Science and Technology Center for Big Data, based at MIT CSAIL.

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When an organization brings in a new leader, it takes time to build trust and authority, ensuring that they are steering the ship in the right direction. Today, new leaders guide their organizations into the digital future. Sometimes executives are charged with transforming a more than 100-year-old company into an agile data-driven organization. So, where do they start?

Dr. Michael Stonebraker will give his council and share the most common pitfalls that he has seen new C-suite level executives face when stepping into a new leadership role. Here’s a hint, it starts with establishing your company’s data as an asset, finding the right tools to support this, and includes migrating everything to the cloud (where possible).

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MIT Startup Exchange

Andy Palmer

[Tamr](#)

Dan Doney

[Securrency](#)

Jeffrey Chou

[Sync Computing](#)

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Closing Remarks