Mike Hedges

CIO
Medtronic
MDT Executive Kickoff
CIO of Fridley-based Medtronic, the world's largest med-tech company, British-born Hedges manages an IT enterprise that spans the globe. To confront the challenges of such a wide-reaching network, he formed the Global Technology Council, which is made up of senior IT leaders representing each business, functional and geographic area of Medtronic. He helped drive an enterprise-wide One Medtronic IT model and hosts Global IT Forums quarterly to share highlights and challenges for employees worldwide.

Jason Verlen

Director, Product Strategy & Product Management, Predictive Analytics
IBM
What's Your World View?
Jason Verlen is responsible for IBM SPSS' overall product strategy. This involves determining what products and capabilities should be built so that customers can achieve greater success on their journey to becoming Predictive Enterprises. He is a member of the leadership team for the SPSS brand within IBM, and as such plays a major role in market assessment, product roadmaps, and overall interactions with customers to ensure that the company's product strategy matches their emerging needs. Jason has been instrumental in driving the organization to both deepen its penetration in its traditional core markets and to integrate predictive analytics into IBM technology to drive organizational transformation in new markets with new users. His contributions stem from extensive personal experience in both the business and technical sides of the software industry. Jason joined SPSS in 1995, and prior to his current role has held a variety of senior positions within SPSS including VP of Survey Applications, VP Professional Services, Sr. Director Corporate Sales, Sr. Director Sales Engineers, Sr. Director Information Technology, and Director Quality Assurance. Before his tenure at SPSS Jason was an Executive at SDC, a firm that produced a risk management software suite for the financial markets. He holds a Bachelor of Science Degree in Computer Science from Northwestern University and a Masters Degree in Business Administration from the University of Chicago.

Robert Stephens

Founder of 'The Geek Squad' - Former CTO BestBuy

A native of Chicago, Robert left a scholarship at the Art Institute of Chicago in 1990 to pursue a degree in computer science at the University of Minnesota. While attending the University, he landed a job fixing computers for the Human Factors Research Laboratory . Over a three year period, he rose to become head engineer of the lab while earning scholarships from the U.S. Navy and the FAA building flight and driving simulators. It was also during this time he started a computer consulting business.

In April 1994, after three years at the University of Minnesota, he formed The Geek Squad with $200. In 2002, The Geek Squad acquired Best Buy and opened Geek Squad precincts in all Best Buy properties worldwide. With over 24,000 Agents, The Geek Squad is now the world's largest technology support company offering online, in-store, and in-home support. Robert served as Chief Technology Officer for Best Buy until 2012 when he relocated to San Francisco with his family to pursue his next startup.

Rob Peglar

CTO-Americas
EMC/Isilon

Enterprise Data Growth: Big Challenges and Big Opportunities

"Big Data" is everywhere, whether users, applications, or machines are creating it. And it's growing exponentially with no industry being spared. Due to this reality, IT organizations everywhere are now forced to figure out how to store, manage, and extract value from it – as inexpensively as possible. Attend this session and gain new insights into the many challenges and exciting new opportunities coming from the huge growth of data all around us.

Rob Peglar is Chief Technology Officer, Americas at EMC Isilon. A 34-year industry veteran and published author, he leads efforts in technology and architecture with strategic customers and partners throughout the Western Hemisphere, and helps to define future EMC offering portfolios incorporating Isilon, including business and technology requirements. He is a member of the Board of Directors of the SNIA, serves as a Board member of the Solid State Storage Initiative, and is former Chair of the SNIA Tutorials. He previously served on the Board of Directors of the High Performance Cluster File System Software Foundation. He has extensive experience in data management, distributed cluster storage architectures, I/O performance, cloud storage, replication and archiving strategy, storage virtualization, disaster avoidance and compliance, and is a sought-after speaker and panelist at leading virtualization and cloud-related seminars and conferences worldwide. He was one of 25 senior executives worldwide selected for the CRN 'Storage Superstars' Award of 2010. Prior to joining EMC Isilon in May 2011, Mr. Peglar was a Senior Fellow and Vice President of Technology at Xiotech for eleven years. Prior to Xiotech, he held key technology specialist and engineering management positions over a ten-year period at StorageTek and their subsidiary, Network Systems Corporation. Prior to StorageTek, he held engineering development and product management positions for a decade at Control Data and its supercomputer division, ETA Systems. Mr. Peglar holds the B.S. degree in Computer Science from Washington University, St. Louis Missouri, and performed graduate work at Washington University's Sever Institute of Engineering. His research background includes I/O performance analysis, queuing theory, parallel systems architecture and OS design, storage networking protocols, clustering algorithms and virtual systems optimization.

Michelle Chambers

General Manager & Vice President for Big Data Analytics
IBM Corporation

Big Data Drives Big Valuation

Do you think Social Data can't drive value? Think about how Facebook's use of big data has driven a $100B+ valuation. In this session, you'll learn how social data and Big Data drive top line revenues cost-efficiently and how the capital markets value the big data capabilities of enterprise organizations.

Michele Chambers is an entrepreneurial executive with 20 years of technology experience and is the General Manager & Vice President of Big Data Analytics at IBM. Her team is responsible for working with customers to fully exploit the IBM Big Data platform including the IBM Netezza appliance via scalable, high performance advanced analytics on IBM Netezza's parallel computing platform. Michele is responsible for guiding the vision, strategy, sales and go-to-market strategy for IBM Netezza Analytics. Michele's passion is helping companies identify new areas to apply analytics, especially optimization, that drive high business value and create sustainable differentiation in the market. Michele has a strong focus on results and growth and has successfully launched several lines of businesses including the Advanced Analytic Solutions at Netezza. Additionally, Michele successfully built a packaged SAP solutions business resulting in over $10M revenue in the first year and an early supply chain execution software business. In her spare time, Michele, who is a single mother, loves to show her precocious tween the world and challenge him to make the world a better place by applying his mathematical talents to solve real world problems. Michele holds a B.S. in Computer Engineering from Nova Southeastern University and an MBA from Duke University.

Dave Anderson

Senior Director
Optum Insight Innovation Lab

Natural History of Disease (NHD)

NHD is a discovery application that allows a user to perform exploratory analysis on any, and all clinical and financial aspects of diseases, drugs, procedures, and/or laboratory readings. NHD processing occurs in real time, sourcing the claim line detail of the 70+ million lives covered in our longitudinal claims database (NHI) since 1994. Additionally, NHD generates a demographic control population to distinguish the interesting from the uninteresting clinical signals. Visually compelling graphics reveal cost trajectories and clinical disease manifestations during any time interval relative to the "anchor event" of interest. This presentation will examine the program and its capabilities.

David C. Hastings

Director, Advanced Analytics COE
Teradata

Creating the 360 Degree View of Customer: Moving from Transactions to Interactions

- Trends Driving Evolution of Analytics
- Goal: Comprehensive View of Customer Behavior
- Analytics Enabled by this View
- Emerging Big Data
- Enabling Technology
- Customer Integration Best Practices
- Summary

David Hastings the Director of the Teradata Advanced Analytics COE. He is passionate about improving the way people do business through the use of information, analysis, and technology. He has an extensive background in both analytics and analytical applications. Hastings has served a number of roles in Analytics, including Data Warehouse Manager, Director of Product Management, and Advanced Analytics.
In his current role, Hastings is responsible for sale, management, execution, and delivery of projects at major customer accounts. In addition, he works with Teradata development on design and sales of software solutions. He is also actively involved in the SAS/Teradata strategic partnership.

Jaideep Srivastava, Ph.D.

Professor
U of M

1. Mining of social media data to identify "Actionable Insights from Social Systems".

2. Analytics for fraud detection

Ph.D. 1988, Electrical Engineering and Computer Science, University of California, Berkeley
M.S. 1985, Computer Science, University of California, Berkeley
B.Tech. 1983, Computer Science, Indian Institute of Technology, Kanpur, India

Robert Cooley, Ph.D.

Chief Technology Officer
OptiMine Software

Accidental Data Collection - Big Data versus Useful Data

From the start, the Web has lowered the barrier to collect what is now known as "big data". However, more often than not the data is collected by accident as a result of whatever default settings happen to be in place for a given application. No one has sat down and thought about what they actually might need or bothered to determine what options are available. When it comes time to run any sort of analysis, accidental data tends to be both big and useless. This talk will highlight lessons learned over the past 15+ years from analyzing Web data, including frequent encounters with "Accidental Data Collection."

Dr. Robert Cooley received his Ph.D. in Web Data Mining in 2000 from the University of Minnesota and has spent the last 12 years working for software startups in a variety of roles. As the CTO of OptiMine Software, an online advertising optimization company, he is responsible for the company's product development and technology strategy. Prior to co-founding OptiMine, Rob headed the North American technical team for KXEN, a data mining tool provider, where he led projects with over 300 companies including Wal-Mart, Sears, Lowes, eBay, Experian, Nielsen, Live Person, and Acerno. After grad school he worked at a Xerox PARC spin-off doing personalized search that was sold to Google. In addition to his Ph.D., Rob holds a masters degree in nuclear engineering from the Bettis Reactor Engineering School, was a Lieutenant in the U.S. Navy, and received a BS in civil engineering from Cornell University.

Janee Harteau

Police Chief
City of Minneapolis

Leading the integration of Crime Analysis to determine probability, risk, and future problems to improve public safety and public trust.

Janeé Harteau is a Duluth, MN native who joined the MPD in February of 1987 and is currently the Assistant Chief of Police. She has worked her way through the ranks beginning as a patrol officer in both north and south Minneapolis and assigned to the SWAT team as a Hostage negotiator. In 1998 she was promoted to sergeant working as a supervisor on the Street, Narcotics, Organized Crime and the Gang Unit. In 2004 she was promoted to the rank of lieutenant and commanded the Crime Lab, the Licensing Unit and served as a sector lieutenant in the First Precinct. In April of 2006 she was appointed as the Inspector of the First Precinct where she worked to formalize the SafeZone collaborative and served as the first president of its board of directors until July of 2009. As the First Precinct Inspector she was a longtime proponent of strong public/private partnerships to strengthen public safety downtown. Among those partnerships was the creation of the Block E station, the Fusion Center and the Downtown Courtwatch program for which the MPD won an international community policing award from the International Association of Chiefs of Police. Prior to becoming the Assistant Chief in December of 2010, Harteau was the Deputy Chief of the Patrol Bureau where she has been responsible for all Minneapolis Police Department 911 response personnel and the department's emergency services units. Assistant Chief Harteau holds a Bachelor's Degree in Police Science and a Master of Arts in Public Safety Administration; both from St. Mary's University of Minnesota. Currently she trains law enforcement leaders nationally for Northwestern University's Center for Public Safety and is an Assistant Professor at St. Mary's University of Minnesota in the School of Police Science. She is a graduate of the Senior Management Institute of Police in Boston, MA and the Northwestern University Center for Public Safety's Police Staff and Command School where she was the Franklin Kreml Leadership Award winner in 2005.

Charlie Schick, PhD

WW Director of Marketing Big Data, Healthcare and Life Sciences
IBM

1) Predictive Power of Big Data Analytics in Healthcare
2) Discussion: Predicting Outcomes in Healthcare

The transformation of healthcare will be data-driven. Yet, healthcare organizations are struggling with data coming in all sorts of shapes, sizes, and speeds. How are these organizations harnessing big data to provide more patient-centric, evidence-based, accountable care? In this talk, we'll go over three exciting uses of big data in healthcare, and how predictive analytics will play a big role in the future of healthcare.

Charlie Schick is Director of Marketing, at IBM, driving global messaging, content, and go-to-market activities for IBM's Big Data Healthcare and Life Sciences solutions. Prior to that he worked at Children's Hospital Boston, and at Nokia, in Finland. During his career he has designed and launched web and mobile products; provided Internet, Social Media, and editorial strategy consulting; written numerous articles for online and print publications; published several biomedical research papers in leading journals; and co-authored a book on advanced phone systems. He has a graduate degree in Molecular and Cellular Biology from the University of Massachusetts Amherst.

More about Charlie in How IBM's Big Data Guy Found a Career in Chaos, Fast Company (04 Apr 2012), as part of the Generation Flux series.

Conference Co-Chairs

Dan Atkins

Sean Larson

Section Chairs

Glenn Trygstad

Donalee Wanna

Brian Kreeger

Vivek Ajmani

Jamie Ostheimer