The First Annual Special Topics in Strategic and Emerging Technologies in Accounting Conference:

Text Analytics in Accounting
March 1, 2013

Conference Chair and Editor
Ingrid E. Fisher, University at Albany-SUNY.

Sponsored by Deloitte, the Strategic and Emerging Technologies Section of the American Accounting Association, and the University at Albany School of Business Department of Accounting and Law with the support of CaseWareIdea

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Text Categorization for Document Review
Ali Hadjarian, Ph.D., Senior Manager, Data Analytics Practice of Deloitte Financial Advisory Services LLP
Nate Huber-Fliflet, Manager, Discovery Practice of Deloitte Financial Advisory Services LLP

Coffee Break: 9:30-10:00

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Miklos A. Vasarhelyi (chair), KPMG Professor of Accounting Information Systems, Director – RARC-CAR Lab, Rutgers University,
James R. Littlly, Principal, KPMG LLP
Trevor Stewart, Partner (Retired) Deloitte – Senior Fellow CAR Lab, Rutgers University
Wen Ling Hsu, Lead Member Technical Staff – Applied Data Mining, AT&T Laboratories
Anthony DeSantis, Principal, Data Analytics Practice of Deloitte Financial Advisory Services LLP

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Speaker Profiles

Ali Hadjarian, Ph.D.

Ali Hadjarian is a Senior Manager in the Analytics practice of Deloitte Financial Advisory Services LLP. He has over 17 years of industry experience in advanced data and text analytics and a doctoral degree in the same area. Prior to joining Deloitte, he served as a technology advisor to the U.S. Government and led a number of high profile analytics projects with the SEC, the IRS and the PCAOB.

Nate Huber-Fliflet

Nate is a Manager in the Discovery practice of Deloitte Financial Advisory Services LLP. With more than 8 years of experience consulting with Am Law 100 law firms and corporations in the Banking, Automotive, and Oil & Gas industries, Nate specializes in developing and implementing discovery management strategies, administering non-linear attorney reviews incorporating the use of analytics, and helping companies with discovery technology design and implementation.

Dr. Jianping Zhang

Dr. Jianping Zhang has more than 20 years R&D academic and industry experience in machine learning and text and data mining. He published more than 100 technical papers and held two patents in these areas. He also developed a number of innovative data and text mining products for government and industry applications and served as program committee members for many conferences. Prior to joining Deloitte, he was a Principal Scientist and Data Mining group lead in the MITRE Corporation where he led several predictive analytics efforts in developing innovative approaches for financial fraud detection. Prior to that, he was Chief Architect in AOL from 2004 to 2006, where he led efforts in developing web content categorization service, web filtering services, and web user profiling platform. From 2000 to 2004, he was a Lead AI Scientist in MITRE, where he worked on various data mining projects for different US Government agencies. From 1990 to 2000, he was Assistant/Association Professor in Utah State University. He obtained his PhD from University of Illinois at Urbana-Champaign in Computer Science.

Anthony DeSantis, CFE

Mr. DeSantis is a Principal in the Data Analytics practice within Deloitte Financial Advisory Services LLP with more than 13 years of experience specializing in the forensic analysis of electronic data; primarily for the purpose of identifying fraud, waste, abuse and corruption. His technical experience includes the analysis of complex structured and unstructured data, management and implementation of information management systems, the design and operation of relational databases in investigations, litigations, claims processing and settlement administration environments and the use of databases and advanced analytic methodologies for identifying indicators or creating risk profiles of fraud and corruption. Mr. DeSantis is a Certified Fraud Examiner and has presented on International eDiscovery Issues, Investigative Data Considerations, Technology to Detect Potential Violations of the U.S. Foreign Corrupt Practices Act, Healthcare Data Mining and Utilizing Data Visualization to Detect Fraud, Waste and Abuse.

Sara Vandermark

Ms. Vandermark is a Senior Manager in the Data Analytics practice of Deloitte Financial Advisory Services LLP with over 7 years of experience with relational database technology, related programming languages and reporting utilities, and industry-standard ERP and enterprise-wide accounting systems in investigative, litigation, and compliance environments. Much of her experience to-date has focused on Anti-Fraud and Anti-Money Laundering Compliance, Bankruptcy Claims Administration, Product Diversion / Parallel Trade, the U.S. Foreign Corrupt Practices Act and the development of related analytical tools. She has worked in industries ranging from financial services and healthcare to electronics and engineering.