President’s Forum on Data

INAUGURAL EVENT

MONDAY, MAY 5, 2014
8:00 AM – 1:00 PM

D’Ambra Auditorium, Life Sciences Research Building

UNIVERSITY AT ALBANY
State University of New York
President’s Message

Recent advances in capturing, managing, and using data are making it possible to push the boundaries of what is known and serve society in new and innovative ways.

The University at Albany understands the benefits and the challenges of big data. Our strength in this field is growing rapidly. Our researchers use data analytics to advance our understanding of climate and weather, disease, social networks, terrorist organizations and beyond.

The opportunities in this field are diverse and increasing every day, requiring new skill sets for graduates to fill the future job market. Many across UAlbany are working diligently to ensure the University’s curriculum best prepares students to meet these needs.

We realize that success will require partnerships across disciplines and sectors. And we hope this forum sparks an ongoing conversation about how to achieve those collaborations.

Our goal is to build on our strengths and create a center of excellence where we work with partners to address societal challenges. We plan to apply what we learn today to the development of the center and curriculum.

We invite you to join us on this exciting journey.

Sincerely,
President Robert J. Jones
Agenda

8:30-8:45  **WELCOME**
Robert J. Jones, Ph.D., President, University at Albany
James A. Dias, Ph.D., Vice President for Research, University at Albany

8:45-9:30  **KEYNOTE ADDRESS**
Creating Institutional Capacity for Data Science Partnerships
Magdalena Balazinska, Ph.D., eScience Institute, University of Washington, Associate Professor, Department of Computer Science and Engineering, University of Washington
Wendy Wigen, Technical Coordinator, Big Data Senior Steering Group (SSG) and Wireless Spectrum Research and Development SSG, Networking and Information Technology Research and Development (NITRD) Program

9:30-10:00  **KEYNOTE ADDRESS**
Rethinking Justice Through Data
Eric Cadora, Director/Founder, Justice Mapping Center, School of Criminal Justice, Rutgers University

10:00-10:45  **PANEL**
Building Government-University Partnerships in Data Science

PANEL MODERATOR:
Theresa A. Pardo, Ph.D., Director, Center for Technology in Government, University at Albany

PANELISTS:
Thomas H. Mattox, Commissioner, Department of Taxation and Finance, State of New York
Andrew Nicklin, Director, Open NY, State of New York
John C. Traylor, Executive Deputy Comptroller, Office of the State Comptroller, State of New York
Wendy Wigen
10:45-11:00  NETWORKING BREAK

11:00-11:30  KEYNOTE ADDRESS
Combining Evidence with Intelligence: Big Data, Insights, and Decisions
David Teece, Ph.D., Tusher Professor in Global Business, University of California, Berkeley, Chairman and Principal Executive Officer, Berkeley Research Group

11:30-12:15  PANEL
Building Industry-University Partnerships in Data Science
PANEL MODERATOR:
Meghan Cook, Program Director, Center for Technology in Government
PANELISTS:
Meghan Barkley, Operations Director, Aeon Nexus
Abu Islam, Ph.D., Director, Marking Elements and Integration Lab, Xerox Research Center
Konstantin Mertsalov, Ph.D., Principal Research Scientist and the Director of European Software Development, Rational Enterprise
David Teece, Ph.D.

12:15-12:45  KEYNOTE
Imagining the possibilities: The GODAN Initiative
Lauren McGraw, Acting Senior Advisor for International Affairs, Office of the Chief Scientist, Office of the Secretary, U.S. Department of Agriculture
Jeanne M. Holm, Distinguished Instructor UCLA, Chair, W3C eGovernment Community

12:45-1:00  DISCUSSION AND CLOSING REMARKS
Magdalena Balazinska, Ph.D.

Magdalena Balazinska is an Associate Professor in the Department of Computer Science and Engineering at the University of Washington. Magdalena’s research interests are in the field of database management systems. Her current research focuses on big data management, sensor and scientific data management, and cloud computing.

Magdalena is a member of the steering committee for The eScience Institute as well as the database, Big Data, and AstroDB groups at University of Washington and the co-founder of the Northwest Database Society (NWDS).

Magdalena holds a Ph.D. from the Massachusetts Institute of Technology (2006). She is a Microsoft Research New Faculty Fellow (2007), received an NSF CAREER Award (2009), a 10-year most influential paper award (2010), an HP Labs Research Innovation Award (2009 and 2010), a Rogel Faculty Support Award (2006), a Microsoft Research Graduate Fellowship (2003-2005), and multiple best-paper awards.
Meghan Barkley, Operations Director of Aeon Nexus, has over 14 years of consulting and operations experience in the Public and Private sectors. In addition to supporting client projects, Ms. Barkley manages all contracts and operations for Aeon Nexus. Her current responsibilities include managing Federal and State contracting vehicles, managing supplier diversity certifications and corporate operations.

Meghan’s consulting experience, combined with her educational background, allow her to remain versatile within Aeon Nexus. Meghan has been directly involved with the data management and analysis of client data, as well as being responsible for the growth and management of Aeon Nexus as an industry competitor. In addition, Ms. Barkley maintains all Federal and State contracting operations, to ensure that Aeon Nexus Corporation can compete in the Public sector marketplace.

With a data-heavy background, Ms. Barkley’s analytical skills are an asset to the organization as Aeon Nexus continues to pursue record-breaking savings in spend analytics and engages in “big data” projects globally. Prior to joining Aeon Nexus, Meghan was a Senior Data Analyst for A.T. Kearney’s Data Management Group. She was directly responsible for transportation sourcing for clients in such industries as paper, manufacturing and technology. Meghan was part of a team nominated for an Intellectual Capital Award for the “GOAL eTools” system, a strategic sourcing logistics survey system. In addition to her work in logistics, Ms. Barkley also managed data related to the “Group of 8” (G8) study regarding foreign investment confidence and worked with global security firms based in Australia.

Ms. Barkley is a graduate of George Mason University with a Bachelors of Science in Health Systems Management.
Eric Cadora directs the Justice Mapping Center at the School of Criminal Justice at Rutgers University. Founded in 2007, the Center consolidates Cadora’s 15-year experience mapping the characteristics, scale, and policy implications of locally concentrated criminal justice populations migrating between prison and home in neighborhoods, cities, and states around the country. With support from the Ford Foundation and the Pew Charitable Trusts, the Center launched its inaugural initiative, The Justice Atlas of Sentencing and Corrections, in 2010. The Atlas is a publicly available, interactive mapping website designed to foster policy narratives about the geographic dimensions of the country’s mass incarceration practices. Anchored in data partnerships with 25 participating state departments of corrections, the Atlas initiative also serves as a unique data resource for research into the causes, costs, and consequences of locally concentrated imprisonment. Cadora authored the “Million Dollar Blocks” project and the “Justice Reinvestment” initiative, for which he was a co-recipient of the 2009 American Society of Criminology President’s Award.

Prior to establishing the Center, Cadora served as a Grants Officer at the Open Society Foundations for four years, supporting reform initiatives against the overuse of imprisonment as a response to social isolation and economic disinvestment. Cadora joined OSF in June, 2001 after 14 years at the Center for Alternative Sentencing and Employment Services, where he directed Research and Policy, Court Communications, and Day Center divisions. Cadora is a national community justice consultant, where he works to foster broader involvement in criminal justice reform by social justice organizations, such as the NAACP, Children’s Defense Fund, ACLU, Urban Institute, Drug Policy Alliance, and others. Cadora also works internationally, where he served as a consultant in the UK to the International Centre of Prison Research at Kings College. He is currently a partner with the Governance and Justice Group, a non-profit organization based in Portugal which conducts “Justice Audits” in post-conflict and emerging nations, most recently in Malaysia and Bangladesh. Cadora has authored articles on locally concentrated mass incarceration and is co-author of Community Justice. Cadora graduated from Ohio State University in sociological theory, and conducted graduate work at New York University in the sociology of violence.
Meghan E. Cook

Meghan Cook, Program Director at the Center for Technology in Government at the University at Albany, State University of New York is an expert on innovation in the public sector. Meghan leads cross sector and multidisciplinary initiatives with government, industry, and academic partners focusing on the policy, management, and technology factors that influence and shape government transformation.

With over 17 years experience, Meghan has expertise in opening government, making strategic IT investments, intergovernmental information management, public value planning and assessment, information sharing, mobile government, and building smarter cities. Most recently, she led a team to develop the Open Government Portfolio Public Value Assessment Tool and assisted both the United States Department of Transportation and the New York Metropolitan Transportation Authority to conduct public value assessments as input to program and information technology investment decision making. In an effort funded by the World Bank, Meghan led the launch of the Federal Government of Nigeria’s (FGN) Open Data Initiative, including the inauguration of the FGN’s Open Data Working Group. She has served on many advisory boards and working groups including the United States Office of Personnel Management (OPM) Open Government Flagship Initiative Committee and the NYS local government IT community. Meghan has authored many academic and practitioner articles and book chapters and serves regularly as a reviewer for statewide local government grant programs and a number of academic conferences.
Jeanne Holm, Ph.D.

Jeanne Holm leads collaboration and builds communities with the public, educators, developers, and international and state governments in using open government data, driving innovation through social media, virtual worlds, gaming, ontologies, and collaborative systems, including award-winning public portals and pioneering knowledge architectures. She is a Fellow of the United Nations International Academy of Astronautics, a Distinguished Instructor at UCLA, Chair of the W3C eGovernment Group, and has more than 130 publications on innovation, open data, information systems, and knowledge management.

Jeanne's courses at UCLA Extension have ranged from knowledge management to social network analysis, from collaborative systems to web design. Teaching in both classroom venues and online, she has collaborated with more than a thousand students. Many of her classes are part of UCLA's Custom Program at Extension and taught in China.

Jeanne is a graduate of Claremont Graduate University and UCLA. She has worked at Disney, in television and radio, and as CIO for a technology start up. She is a published author through the Writer's Guild of America. She has been awarded numerous honors, including the NASA Exceptional Service Medal for leadership (twice), Distinguished Instructor of the Year at UCLA, a Fed 100, three Webby's from The International Academy of Digital Arts and Sciences, three best practice awards from the APQC, and led NASA to an unprecedented four global Most Admired Knowledge Enterprise (MAKE) awards.
Abu Islam, Ph.D.

Abu Islam is the Director of Marking Elements and Integration Lab of Xerox Research Center of Webster. He also manages the center’s Intelligent Sensing for Transportation project, which aims to improve the safety, efficiency, and environmental impact of transportation systems. He has a PhD in Mechanical Engineering from Rensselaer Polytechnic Institute and has interests in applied research in the areas of Systems Engineering, Mechatronics, Novel Marking and Intelligent Transportation Systems. He currently holds 20 patents and has a Black Belt in Design for Lean Six Sigma.
Thomas H. Mattox

The Tax Department’s core mission is to efficiently collect more than 40 taxes in support of state and local services while acting with integrity and fairness in all aspects of tax administration. The Department balances efforts to promote voluntary compliance — the cornerstone of the State’s system of taxation - with the duty to enforce New York's tax laws.

Mr. Mattox previously worked at Goldman Sachs & Co., where he served as a Managing Director and Chief of Staff. He was also a Senior Vice President at Chase Manhattan Bank. He is a graduate of Harvard University and holds an M.B.A from Stanford University.
Lauren McGraw is currently serving as Acting Senior Advisor for International Affairs in the U.S. Department of Agriculture's Office of the Chief Scientist. Her portfolio includes responsibility over the Research, Education, and Economics Mission Area’s bilateral and multilateral scientific and research collaboration. Previously, she worked as a Desk Officer for China and Hong Kong for the Foreign Agricultural Service, covering a portfolio that included roughly $20 billion dollars in agricultural product trade. Lauren holds an M.S. in Applied Economics from Johns Hopkins University and a B.A. from Wellesley College in Economics and East Asian Studies.
Before joining Rational Enterprise, Konstantin worked at a leading e-Discovery firm and developed a scalable search system used to search hundreds of millions of documents with a rich set of metadata. His current focus is on enterprise software engineering, including the development of document classification systems based on Support Vector Machines, social network analysis tools, as well as algorithms for corpus structure analysis (e.g., near duplicate detection and email thread analysis). In 2009, Konstantin earned a Ph.D. from Rensselaer Polytechnic Institute. His thesis work involved the study of large dynamic social networks. Konstantin’s other academic interests include machine learning, information diffusion in social networks, and semantic web search.
Andrew Nicklin 

DIRECTOR, OPEN NY, 
STATE OF NEW YORK 
NEW YORK, NEW YORK

Andrew Nicklin serves as the Director of Open NY, where his responsibilities include helping expand the open data website, engaging with the developer and research community through Open Data events, and helping to oversee the design of a model website for municipalities to share their information. Mr. Nicklin coordinates with the Office of Information Technology Services to evaluate and provide recommendations concerning the management, design and structure of Open NY.

Mr. Nicklin most recently served as the Director of Research and Development at the City of New York’s Department of Information Technology and Telecommunications (DoITT). He brings with him nearly two decades of government experience overall, during the last 14 of which he has managed a multitude of City technology initiatives. In his role at DoITT, Mr. Nicklin managed the City’s open government initiatives, including the NYC OpenData platform, engagement strategy, and multi-city collaboration efforts. In this role, he helped with the passage and implementation of Local Law 11 of 2012 that mandated that all public data sets be catalogued and scheduled for posting to the Internet for use by developers, researchers, reporters, entrepreneurs, and the public. As part of Local Law 11 of 2012’s implementation, Mr. Nicklin helped design New York City’s Open Data Policy and Technical Standards Manual, which helps City agencies deliver their public data in machine-readable formats and embed best practices into their regular data management. Prior to his role at DoITT, Mr. Nicklin was the Deputy Director of Information Technology at the New York City Department of Parks and Recreation.
Theresa A. Pardo, Ph.D.

DIRECTOR, CENTER FOR TECHNOLOGY IN GOVERNMENT, UNIVERSITY AT ALBANY

Theresa A. Pardo serves as Director of the Center for Technology in Government at the University at Albany, State University of New York, where she also holds research professor appointments in Public Administration and Policy and Informatics. Dr. Pardo is co-developer of the top ranked program in Government Information Strategy and Management offered by the Public Administration and Policy Department of Rockefeller College.

Under her leadership, the Center works closely with multi-sector and multi-disciplinary teams from the U.S. and around the world to carry out applied research and problem solving projects focused on the intersections of policy, management, and technology in the governmental context. With funding from organizations such as the U.S. National Science Foundation, Ford Foundation, U.S. Department of Justice, United Nations, World Bank, U.S. Library of Congress, U.S. National Archives and Records Administration, SAP, Microsoft Corporation, and New York State, among others, Center work has broken ground in information and knowledge sharing, open government and open data, e-government, social media policy, and mobile technologies and human services delivery.

Dr. Pardo serves as Open NY Adviser to New York State’s Governor Andrew Cuomo and was recently appointed Expert Advisor to the Open Data 500 Project. She serves as International Advisor to the E-Government Committee for the China Information Association and is President of the Digital Government Society, a global multi-disciplinary organization of scholars and practitioners interested in the development and impacts of digital government. Dr. Pardo serves on a number of national and international advisory and editorial boards, including the International Conference on Theory and Practice of Electronic Governance (ICEGOV) conference series Advisory Committee; Government Information Quarterly, the leading journal in the field of digital government; the U.S. Government Accountability Office Executive Council on Information, Management, and Technology; and the Data Center for Applied Research in Social Sciences at Centro de Investigacion y Docencia Economicas (CIDE) in Mexico City. She is also a Senior Adviser to the Informatization Research Institution, State Information Center in China and is a member of the Board of Champions for the New York State Science, Technology, Engineering, Arts, and Math (STEAM) Girls Collaborative.

Dr. Pardo has published over 125 articles, research reports, practice guides, book chapters and case studies and is ranked among the top five scholars in her field in terms of productivity and citations to her published work. She has received numerous awards including best journal and conference paper awards for her published work, the University at Albany’s Excellence in Teaching Award and the Rockefeller College Distinguished Service Award.
David J. Teece, Ph.D.

David Teece is the Tusher Professor in Global Business and the Director of the Institute for Business Innovation at the Haas School of Business at the University of California, Berkeley, and Founder and Chairman of Berkeley Research Group, LLC (‘BRG’), for which he also consults. Berkeley Research Group is the second company he has founded. The first, LECG, went public first on the NYSE and subsequently on the NASDAQ.

Professor Teece is known in academia for creating the concept of dynamic capabilities. Professor Teece’s most recent publication on the topic is Dynamic Capabilities and Strategic Management: Organizing for Innovation and Growth (Oxford University Press, 2009) which was also translated into Japanese. Other publications include two volumes of published papers by Edward Elgar (London) in “Economists of the Twentieth Century” titled, Economic Performance and the Theory of the Firm and Strategy, Technology and Public Policy. In addition, he is also the co-author of over 200 books and articles on topics in innovation strategy, intellectual property, and antitrust policy which further contributes to his extensive experience in litigation and regulatory issues.

Outside of academia, David Teece has served as an expert witness in numerous courts, administrative bodies and tribunals in the U.S., Canada, Australia, New Zealand, and Europe where he has testified on various economic issues in business such as industrial organization, antitrust and competition policy, negotiation strategy, and complex damages.

Other accolades include the 4 honorary doctorates, the Accenture list of the Top 50 Living Business Intellectuals, the 2002 Viipuri International Prize in Strategic (Technology) Management and Business Economics, and the 2003 Strategic Management Journal Best Paper Award and the Eminent Scholar Award from the Academy of International Business 2013. Another notable achievement is as the lead author of the most cited paper in economics and business 1995-2005. Teece is ranked number 10 in citations worldwide by Science Watch (Thomson Reuters).
John C. Traylor serves as Executive Deputy Comptroller for Operations at OSC. The Office of Operations supports State Comptroller DiNapoli in his role as the State’s chief fiscal officer. The Office has responsibilities for financial accounting and the Statewide Financial System, the State payroll system, auditing and approving expenditures, reviewing and approving State contracts, managing the abandoned property program, and administering the State’s Oil Spill Fund.

Previously, Mr. Traylor was Chief Procurement Officer for the State of New York within the Office of General Services responsible for centralized contracting of over $5 billion in goods and services for the State and local governments. He also served as Director of Enterprise Services for the New York State Division of the Budget, where he helped lead efforts to develop and implement shared services across State agencies in the areas of procurement, information technology, and real estate management.

Mr. Traylor has served in a variety of State government positions, including Assistant Comptroller for Local Government Services at OSC where he was responsible for oversight of local governments and school districts outside of New York City, and Assistant Chief Budget Examiner at the Division of the Budget, where he had responsibilities for the State’s budget, financial plan, and capital financing.
Wendy Wigen

TECHNICAL COORDINATOR, BIG DATA SENIOR STEERING GROUP (SSG) AND WIRELESS SPECTRUM RESEARCH AND DEVELOPMENT (WSRD) SSG
WASHINGTON D.C.

Wendy provides subject matter expertise, technical leadership and management, and guidance to the NITRD Program in the areas of Big Data and Wireless Spectrum Research and Development. She supports the groups’ monthly meetings and workshops, to include researching relevant topic areas to ensure awareness of the ITR&D priorities that are of interest to her groups and the NITRD Program. Wendy also assists in the writing and editing of technical reports and planning documents (e.g., NSTC Federal Plans, workshop reports, and the annual supplement to the President’s Budget).

Before joining the NCO in November 2010, Ms. Wigen served as a government relations officer for EDUCAUSE, an association of over 2000 college and university IT professionals. In this role, she coordinated their Network Policy Council, and working groups dealing with wireless and converged communications. Ms. Wigen also led the telecommunications policy effort for EDUCAUSE, bringing together various stakeholders to educate Congress, the White House and the FCC and FTC on the need for a National Broadband Plan, for access to fast, affordable broadband for all citizens, and for the need to protect the characteristics of an open internet.

Ms. Wigen received a B.A. in History from the University of Puget Sound and M.S. in Information Management from Syracuse University.
Inaugural President’s Forum on Data
UNIVERSITY AT ALBANY

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