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BUILDING A SMARTER UNIVERSITY
Big Data, Innovation and Ingenuity
Dear Friends and Colleagues:

Welcome to New York City for the third in a series of conferences organized by The State University of New York (SUNY) to bring together national thought leaders to examine, discuss, and debate critical issues confronting higher education.

This year we set out to explore the ever-expanding world of Big Data, the billions of data points being generated every minute that are beginning to shape the way we understand our world in real-time. These digital footprints are beginning to show us patterns we could never have dreamt of capturing before.

At the same time, higher education is facing a perfect storm: the need to keep costs low, access high, and ensure success for all of our current and prospective students.

It is time for higher education to turn the digital mirror on itself and SUNY is well-positioned to take a leadership role in exploring how the tidal wave of data surrounding us can be used to build smarter universities by better insulating the student pipeline, expanding the boundaries of our research enterprise, and enhancing our physical and digital infrastructure. As a system of 64 campuses and nearly half a million students, SUNY has the opportunity to take the benefits of big data to scale in ways not possible for most other educational entities.

The potential for big data to revolutionize the world of higher education seems endless, and we look forward to working with many partners to better understand the work already being done and dreaming of what can come next.

We are grateful to the more than 65 speakers who have traveled across the country to be with us and to our sponsors, Xerox, McGraw Hill, EMC2, Content Archiving Solutions, TIAA-CREF, Cisco, and ING for their willingness to take on this challenging topic with us. We hope that this conference starts a conversation, spurs innovative thinking, and begins to build a data-driven university. Thank you for joining us.

Sincerely,

Nancy L. Zimpher, Chancellor
The State University of New York
TUESDAY OCTOBER 29, 2013

8:00 - 9:00AM
REGISTRATION/CONTINENTAL BREAKFAST
Sponsored by Cisco - Gallery Foyer 4th Floor

9:00 - 10:30AM
WELCOME AND OPENING PLENARY
Gallery Ballroom 4th Floor

10:45 - 12:00PM
CONCURRENT BREAKOUTS
West Ballroom and Studios 2nd Floor

1. Improving the Student Experience: Focusing on Learning Outcomes
2. Enhancing the Research Enterprise: Utilizing Big Data in Research
3. Using Big Data to: Maximize Public Value Through Community Partnerships
4. Getting the Job Done: Lessons Learned From Big Data

12:00 - 1:45PM
LUNCHEON PLENARY
Gallery Ballroom 4th Floor
Data Scientist: the Sexiest Job of the 21st Century
Sponsored by EMC²/Content Archiving Solutions

2:00 - 3:15PM
CONCURRENT BREAKOUTS
West Ballroom and Studios 2nd Floor

1. Improving the Student Experience: How Big Data Can Influence Student Affairs to Spur Student Engagement
2. Enhancing the Research Enterprise: Research on Big Data
3. Using Big Data to: Advance University Infrastructure
4. Getting the Job Done: How Big Data is Changing the Face of Remediation and College Readiness

3:45 - 5:30PM
AFTERNOON PLENARY
Gallery Ballroom 4th Floor
Tapping Big Data to Strengthen the Education Pipeline

TUESDAY EVENING OCTOBER 29, 2013

6:00 - 8:00PM
CONFERENCE RECEPTION
Sponsored by Xerox
The New York Academy of Sciences

WEDNESDAY OCTOBER 30, 2013

8:00 - 9:00AM
CONTINENTAL BREAKFAST/BOOK SIGNING
Gallery Foyer 4th Floor
SUNY Critical Issues, Volume 2
Higher Education Systems 3.0: Harnessing Systemness, Delivering Performance

9:00 - 10:30AM
MORNING PLENARY
Gallery Ballroom 4th Floor
The Cautionary Side of Big Data

10:45 - 12:00PM
CONCURRENT BREAKOUTS
West Ballroom and Studios 2nd Floor

1. Improving the Student Experience: Big Data’s Impact on Admissions and Recruitment
2. Enhancing the Research Enterprise: Big Data in Entrepreneurial Endeavors
3. Using Big Data to: Shape Academic Planning and Strategy- What Big Data Tells Us About Tomorrow’s Workforce and How to Match the Future Need
4. Getting the Job Done: How Big Data is Driving Workforce and Economic Development

12:30 - 2:00PM
CLOSING PLENARY/LUNCHEON
Gallery Ballroom 4th Floor
Big Data: A Knowledge Revolution
How will Big Data Transform Higher Education
Sponsored by McGraw Hill Education

2:30PM
9/11 Memorial Tour
TUESDAY OCTOBER 29, 2013

8:00 - 9:00AM
REGISTRATION/CONTINENTAL BREAKFAST
Gallery Foyer 4th Floor

9:00 - 10:30AM
WELCOME AND OPENING PLENARY
Gallery Ballroom 4th Floor

Welcome
H. Carl McCall, Chairman
SUNY Board of Trustees

Introductory Remarks
Nancy L. Zimpher, Chancellor
The State University of New York (SUNY)

Key Note Address
Harper Reed - Former CTO, Obama for America

Session Chair
Jason Lane - SUNY

Big data is arguably this year’s buzzword, but what does it really mean, how can we harness its power, and what can higher education gain from this knowledge revolution? Can we learn from other sectors and begin building a truly data-driven university?

10:45 - 12:00PM
CONCURRENT BREAKOUTS
West Ballroom and Studios 2nd Floor

1. Improving the Student Experience: Focusing on Learning Outcomes
West Ballroom AB

This session will focus on how we can begin to look at data as the digital pathway with which we can ensure student success. How can data points bring us closer to our ultimate goal; better serving our students.

Moderator:
Juliette Price - SUNY
Phil Regier - Arizona State University Online
Timothy Renick - Georgia State
Clare van den Blink – Cornell University
Ellen Wagner - WICHE Cooperative for Educational Technologies

2. Enhancing the Research Enterprise:
Utilizing Big Data in Research
Studio 3/4

This session will focus on the uses of big data to accelerate and expand the research portfolios handled by universities. Hear about current and future projects that rely on massive data to get the job done.

Moderator:
Ken O’Brien - The College at Brocport (SUNY)
Thomas Furlani - University at Buffalo (SUNY)
Richard Janikowski - Strategic City Solutions
Matthew Jockers - University of Nebraska-Lincoln
Dean Krafft - VIVO

3. Using Big Data to: Maximize Public Value Through Community Partnerships
Studio 6

How can the social sector use big data in creative innovative solutions to social issues? This session will focus on the role of data in community partnerships and cross-sector outcomes.

Lead Panelist:
Meghan Cook - University at Albany (SUNY)
Maria Gotsch - Partnership Fund for New York City
Irving Wladawsky-Berger - Citigroup, Massachusetts Institute of Technology, New York University, SUNY Levin Institute Senior Fellow

4. Getting the Job Done: Lessons Learned From Big Data
West Ballroom C

Roll up your sleeves for this session and learn the inside scoop on the “how” of big data. This session will focus on several successful uses of big data as well as the valuable lessons learned.

Moderator:
Johanna Duncan-Poitier - SUNY
Emily Coleman - Lancome/L’Oreal
R.G. Conlee - Xerox
Brian Ford – Cisco
Vivien Riefberg - McKinsey & Company
AGENDA

12:00 - 1:45PM
LUNCHEON PLENARY:
Gallery Ballroom 4th Floor

DATA SCIENTIST: THE SEXIEST JOB OF THE 21ST CENTURY

Tomorrow’s knowledge economy calls for qualified data scientists who can understand and translate the world of big data into everyday operations. The role of the university is clear—build the best training grounds for these new scientists to build a data-driven workforce.

Moderator:
Scott Jaschik - Inside Higher Ed
Shirley Malcom - American Association for the Advancement of Science
Michael Rappa - North Carolina State University
Harper Reed - Former CTO, Obama for America
Vivek Wadwha - Singularity University

2:00 - 3:15PM
CONCURRENT BREAKOUTS:
West Ballroom and Studios 2nd Floor

1. Improving the Student Experience: How Big Data Can Influence Student Affairs to Spur Student Engagement
West Ballroom AB

We all know that without strong student engagement, we don’t see our students succeed or complete. How can big data revolutionize the way we reach students to make sure we see all of them cross the finish line?

Lead Panelist:
Linda Baer - i4Solutions
Fred Fonseca - Penn State University
Lisa Foss - St. Cloud State University
Gregory Fulkerson - College at Oneonta (SUNY)
Steve Gallo - University at Buffalo (SUNY)

2. Enhancing the Research Enterprise: Research on Big Data
Studio 3/4

In addition to its use in advancing research, what can research on big data tell us about the field and its direction, and lead us to new, exciting ventures never before explored?

Moderator:
Timothy Killeen - SUNY
Michael Bender - Stony Brook University (SUNY)
Elizabeth Bruce - Massachusetts Institute of Technology
Gali Halevi - Elsevier

3. Using Big Data to: Advance University Infrastructure
West Ballroom C

The vision of universities as four ivy-covered walls is antiquated; how do we use big data to build a smarter university built for the needs of today and more importantly, tomorrow?

Moderator:
Kevin Kinser - University of Albany (SUNY)
John Cheslock - Pennsylvania State University
Jennifer Foutty - Kuali
Mitch Leventhal - SUNY
Rebecca Martin - National Association of System Heads

4. Getting the Job Done: How Big Data is Changing the Face of Remediation and College Readiness
Studio 6

College readiness is critical to a student’s future; how can we better serve those in need of remediation to optimize student success for all?

Moderator:
Jay Quaintance - SUNY
David Coleman - The College Board
Peter Crosta - Teachers College Columbia University
Bernadine Fong - Carnegie Foundation for the Advancement of Teaching
3:45 - 5:30PM
AFTERNOON PLENARY:
TAPPING BIG DATA TO STRENGTHEN THE EDUCATION PIPELINE
Gallery Ballroom 4th Floor

The use of data in the social sector has revolutionized the way we measure outcomes and performance. With increased alignment and data sharing, can all systems of education be joined together to create a leak-free education pipeline, where accountability is everyone’s top priority?

Moderator:
Amy Scott - Marketplace
Jeff Edmondson - Strive National Network
Daniel Greenstein - Bill & Melinda Gates Foundation
David Kuntz - Knewton
Rebecca Petersen - edX

TUESDAY EVENING OCTOBER 29, 2013
6:00 - 8:00PM
CONFEREECE RECEPTION
The New York Academy of Sciences

WEDNESDAY OCTOBER 30, 2013
8:00 - 9:00AM
CONTINENTAL BREAKFAST/BOOK SIGNING
Gallery Foyer 4th Floor

Book Signing:
SUNY Critical Issues, Volume 2
Highr Education Systems 3.0
Harnessing Systemness, Delivering Performance

With Editors:
Jason E. Lane and D. Bruce Johnstone

9:00 - 10:30AM
MORNING PLENARY:
THE CAUTIONARY SIDE OF BIG DATA
Gallery Ballroom 4th Floor

While big data may be heralded as the new frontier, there are limitations to what this wave of information can achieve and the drawbacks to this movement are worth exploring. In this session, the panelists will examine potential pitfalls of data.

Moderator:
Elizabeth Bringsjord - SUNY
Anthony Belfiore - JP Morgan Chase and Company
Michael Chui - McKinsey & Company
Rebecca Costa - The Costa Group
Steve Hirdt - Elias Sports Bureau

10:45 - 12:00PM
CONCURRENT BREAKOUTS:
West Ballroom and Studios 2nd Floor

1. Improving the Student Experience: Big Data’s Impact on Admissions and Recruitment
West Ballroom C

Recruitment and admissions are the first steps of a student’s journey through their educational experience in higher ed. How can big data optimize this process and ensure better outcomes for students and institutions?

Lead Panelist:
Jay Goff - St. Louis University
Rajika Bhandari - Institute of International Education
Chris Shaffer - Shawnee State University
Ben Wildavsky - Rockefeller Institute of Government (SUNY)
2. Enhancing the Research Enterprise: Big Data in Entrepreneurial Endeavors
Studio 6

How does big data play a role in the creation of start-ups and other entrepreneurial endeavors and how can universities better harness this power?

Lead Panelist:
Vivek Wadwha - Singularity University
Lee Fisher - CEOs for Cities
Thomas Moebus - SUNY Levin Institute
J.R. Robles - Empire State College (SUNY)

3. Using Big Data to: Shape Academic Planning and Strategy - What Big Data Tells Us About Tomorrow’s Workforce and How to Match the Future Need
West Ballroom AB

With better data and analysis of what tomorrow’s workforce will look like, how do universities respond and become flexible to the needs of tomorrow?

Moderator:
Jim Malatras - SUNY
Tristan Denley - Tennessee Board of Regents
Sean Gallagher - Northeastern University
Lisa Montiel - SUNY
Brian Prescott - Western Interstate Commission for Higher Education

4. Getting the Job Done: How Big Data is Driving Workforce and Economic Development
Studio 3/4

Join this session to hear the on-the-ground analysis of how big data is driving the knowledge economy and the critical role that universities play in developing and supporting the data analytics workforce.

Lead Panelist:
Richard Rodts - IBM
John Jahnke - Pivotal
Naveen Sharma - Xerox
Hao Wang - SUNY

12:30 - 2:00PM
CLOSING PLENARY/LUNCHEON:
BIG DATA: A KNOWLEDGE REVOLUTION

HOW WILL BIG DATA TRANSFORM HIGHER EDUCATION
Gallery Ballroom 4th Floor

As we focus more intently on access, completion, and success, how does big data better inform our decision making, transform our existing infrastructure, and redefine the modern university? How can higher education be the model of success the race to harness big data?

System Moderator:
Jason Lane - SUNY
Dr. Ulrik Christensen - Area9
Francisco Cigarroa - University of Texas
Katharine Frase - IBM
Alfred Spector - Google

2:30PM
9/11 MEMORIAL TOUR
CRITICAL ISSUES IN HIGHER EDUCATION

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Advanced Analytics
CLASS OF 2013: STUDENT FELLOWS IN BIG DATA

Please join us in welcoming the Class of 2013, a group of eight students from The State University of New York (SUNY) who are joining this year’s conference as fellows in big data. These students were selected from our nearly 463,000 students by their campus provosts, due to their academic excellence, extracurricular involvement, and career interests.

Harvard Business Review has stated that jobs surrounding data science – the ability to manage and analyze massive amounts of data being generated – will be among the most important professions in the coming decades. SUNY takes its role seriously as a training ground for future leaders in this area. We’ve selected these students for their interest in using big data in their academic and professional pursuits and we know we will see them join the ranks of the next groundbreaking data scientists.

Their interests span the disciplines of healthcare, computer science, communication, finance, math, and education, and their dedication to their fields of study could not be more apparent. We hope you find some time to spend with our fellows and allow them to explore your expertise and vision for the many uses of big data.

Please join us in welcoming these future data scientists to this year’s conference!

Abbegail Katherine Brown
Abbegail Brown is a student at Cayuga Community College, pursuing an associates degree in Liberal Arts & Human Services with a concentration in Psychology. She hopes to earn a Doctorate in psychology and contribute valuable knowledge and research to the realms of adolescent psychology, biopsychology and neuropsychology. She tutors in the Center for Academic Success at Cayuga in writing and psychology and enjoys the interactions she has with students. She is enrolled in the Honors Study program at Cayuga and has completed multiple research projects in psychology. She is passionate about academics and the study of psychology because it gives her the freedom to understand the world in a logical and creative way.

Dane Marco Di Cesare
Dane Marco Di Cesare is a third year doctoral scholar pursuing a degree in Special Education at the University at Buffalo. He is the recipient of the Leadership Grant—Preparing Leaders of Tomorrow to Work in a Digital Age. Dane’s research interests are in developing digital tools to increase writing achievement for students with learning disabilities. He is in the process of earning two advanced certificates—a statistical analysis certificate from the Counseling and Educational Psychology Department and a certificate of new literacies from the Learning and Instruction Department at UB.

Dane has presented at state and national conferences, has co-authored one publi-
culation in the April 2013 issue of the Journal of Special Education Technology (Multimodal Composition: A Review of the Literature), co-authored two publications awaiting review (iPad, Therefore, iAm: Assistive Technology Needs for a Student with Dysgraphia; Connecting Without Fear: Media Consumption by Sexual Minority Youth), and is currently preparing three manuscripts for publication.

Sandra Gothard
Sandra is currently a second year Ph.D student at the University at Buffalo School of Nursing. Her professional career began at Northwestern Memorial Hospital, Northwestern University, Chicago, Illinois in perioperative nursing. Her current role is Regional Administrative Director of Perioperative Services at Bassett Medical Center. The Bassett Health Care Network system, ranked one of the top 100 most integrated systems in the nation, offers all specialties and phases of care, over 400 full time providers in an employed model, Bassett-Columbia University Medical School, and the Bassett Research Institute. Her research interest include exploring the extent to which sociodemographic and psychosocial factors could influence the state of obesity in the rural, female, adult population.

Wang Liao
Wang Liao is a doctoral student in the Department of Communication at Cornell University. His current research relates to communal risk information sharing and knowledge sharing in social media and organizational contexts. In general, his research interest lies on online social dynamic, community formation, and knowledge sharing, with a network perspective. He received his master degree in new media study at Tsinghua University, China, and his bachelor degree in advertising at Xiamen University, China.

Paul Vroman
Paul is pursuing a bachelor’s degree in computer science and mathematics. Maintaining his standing on the Dean’s List, Paul expects to graduate this December from SUNY Old Westbury. Paul tutors at Old Westbury in computer science and technology as well as working with other students in the program.

Erika Wilson
Erika Wilson is a junior at the State University of New York at Oswego. She majors in Applied Mathematics and minors in Applied Statistics. After graduation, she hopes to attend Columbia University and obtain her Masters Degree in Statistics. Erika has participated in several undergraduate research projects including image restoration and copula model fitting.

Terrence Wilson
Terrence Wilson is a computer information systems student at Buffalo State. He is slated to obtain his B.S. in the fall of 2014, and hopes to go on to pursue a master’s in business administration or master’s in management information systems. Terrence fine-tunes his understanding of the C++ language through educating others. He is currently a teaching assistant for the intro to C++ programming course at Buffalo State, and also tutors in the subject area. He sharpens his technical and interpersonal skills as a student technician for computing services at his school. Terrence’s professional growth is currently encouraged by serving as the Academic Excellence chair on the National Society of Black Engineers chapter executive board at Buffalo State. Terrence’s current academic and professional interests include systems analysis, project management, and computer programming.

Eyub Yegen
Eyub Yegen is a senior double majoring in finance and applied mathematical economics, with a minor in applied statistics at SUNY Oswego, and a part-time student at Harvard University, Extension School. He is a senator-at-large for the Student Government Association, the president of three leading clubs at his home university, on the board of the Strategic Advisory Board Committee, and on the School of Business Student Advisory Council. Last summer, Yegen was invited to become a financial and statistical research intern at the Turkish Grameen Microfinance Program, where he assisted the organization by analyzing their big data set. Yegen also worked on different Social Business Projects with students from Brown University and Cambridge University. Currently, Yegen is working on three different research articles on microfinance with professors from around the world. His goal is to pursue his PhD in Finance to understand in-depth how to use financial tools to solve socio-economic problems.

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secondary Success for the Bill & Melinda Gates Foundation, Senior Vice Chancellor for Academic and Student Affairs in the Minnesota State College and University System, Senior Vice President and Interim President at Bemidji State University. She served as the Interim Vice President for Academic Affairs at Minnesota State University, Mankato. Currently, she is the Senior Program Consultant with i4Solutions. Her ongoing focus is to inspire leaders to innovate, integrate and implement solutions to improve student success and transform institutions for the future.

Baer presents nationally in academic innovations, educational transformation, the development of alliances and partnerships, the campus of the future, shared leadership and action analytics. She has co-presented workshops on building organizational capacity in analytics. Recent publications have been on smart change, shared leadership, successful partnerships, innovations in higher education and analytics as a tool to improve student success. A recent book chapter she co-authored include Building the Capacity for Change, in Innovations in Higher Education and From Metrics to Analytics, Reporting to Action: Analytic’s Role in Changing the Learning Environment in The Game Changers: Education and Information Technology. Transformation in an Age of Disruptive Change and Building Organizational Capacity for Analytics.

and threat and vulnerability management. Prior to joining JPMC, Anthony was Global Head of IT Risk and Security Services at UBS. While at UBS, he also held roles leading IT risk for the Investment Bank and Retail Brokerage Lines of Business.

Prior to UBS, Anthony consulted across multiple industries both public and private including FS, Healthcare, Manufacturing, Energy, Tech, and Defense. During this time he worked at Booz Allen & Hamilton, KPMG and Ernst & Young.

Anthony received a BBA from Loyola College Maryland concentration in Management Information Systems.

Michael Bender

Michael A. Bender is an associate professor of computer science at Stony Brook University. He is also the Chief Scientist at Tokutek, Inc, an enterprise database company, which he co-founded in 2006.

Bender’s research interests span the areas of data structures and algorithms, I/O-efficient computing, scheduling, and parallel computing. He has coauthored over 100 articles on these and other topics. He has won several awards, including an R&D 100 Award and four awards for graduate and undergraduate teaching.

Rajika Bhandari

Rajika Bhandari, Deputy Vice President of Research and Evaluation at the Institute of International Education (IIE), provides strategic oversight of IIE’s research and evaluation activities and leads the Open Doors and Project Atlas projects that measure international higher education mobility. She also directs IIE’s Center for Academic Mobility Research. Dr. Bhandari serves on several international advisory groups, is a frequent speaker and widely published author on global student mobility and has written four books on the subject. She also leads program evaluations of international scholarship and fellowship programs in higher education for IIE and for external clients.

Prior to joining IIE in 2006, Dr. Bhandari was a Senior Researcher at MPR Associates, an educational research firm in California that provides research and evaluation services to the U.S. Department of Education. She also served as the Assistant Director for Evaluation at the Mathematics and Science Education Network at the University of North Carolina at Chapel Hill. In addition to her work in international education research, Dr. Bhandari has a background in international development with a special focus on gender and education in developing countries. She holds a doctoral degree in psychology from North Carolina State University and a BA (Honors) in psychology from the University of Delhi, India.
SPEAKER BIOGRAPHIES

Elizabeth Bringsjord
Dr. Elizabeth L. Bringsjord was appointed Interim Provost and Vice Chancellor by the SUNY Trustees as of August 2013. She is the chief academic officer for the SUNY system and supports the Chancellor and Board of Trustees in carrying out their oversight responsibilities. Dr. Bringsjord is temporarily stepping away from her work as Vice Chancellor for Academic Programs and Assessment and Vice Provost. In that capacity, she leads the office responsible for system-wide academic planning and policy development, academic program review and assessment, campus liaison activities, and regional accreditation support to individual campuses. Dr. Bringsjord plays an active role in transformational work now underway across SUNY’s 64 campuses in the areas of Academic Excellence, Innovative Instruction, Strategic Enrollment Planning, Student Mobility and Success, Diversity, Equity and Inclusion, and Teacher Education. Noteworthy among her contributions is a restructuring of the process by which SUNY approves new academic programs to ensure alignment with national exemplars, best practices for student completion and success, and State workforce needs; the drafting of a wide range of academic policy guidance for campus leaders to ensure understanding of and alignment with Board of Trustee priorities; and leadership in the preparation of the University’s three most recent Master Plans and the New York State Commission on Higher Education’s final report and recommendations. Dr. Bringsjord holds a Ph.D. and M.S. in Educational Psychology and Statistics from the University at Albany, a Master’s in Nursing from the University of Pennsylvania, and a B.S. in Nursing from Boston University.

Elizabeth Bruce
Elizabeth Bruce is the Executive Director of the MIT Big Data Initiative at CSAIL. Elizabeth co-founded the Big Data Initiative in 2012. She is responsible for developing industry-university collaborations to bridge the gap between research and commercialization. She joined MIT CSAIL in May 2008 as Director of Industry Partnerships, working with faculty to launch new research initiatives at CSAIL covering topics in big data, mobile, multicore and cloud computing, health, AI, robotics, and security. Elizabeth founded the CSAIL Industry Affiliates Program (IAP) in 2008 and successfully grew the program to over 40 member companies. Prior to CSAIL, Elizabeth held leadership roles at the MIT Microphotonics Center, where she led an industry-academic Technology Roadmapping project and at the MIT Center for Biomedical Innovation, where she led the launch of a new Biomanufacturing initiative. Elizabeth has held strategic management and consulting positions in industry, including at Analog Devices Inc in the corporate strategic projects group, and at Aberdeen Group where she built the Optical Communications practice. Trained as an engineer, Elizabeth holds a Masters degree from MIT in Ocean Engineering and a BS in Electrical Engineering from the University of Washington. She enjoys climbing mountains and traveling.

John Cheslock
Dr. John J. Cheslock is director of the Center for the Study of Higher Education and associate professor in the Education Policies Studies department at the Pennsylvania State University. Dr. Cheslock obtained his Ph.D. in Labor Economics from Cornell University, where he served as a research assistant at the Cornell Higher Education Research Institute (CHERI). He previously served on the faculty of the Center for the Study of Higher Education at the University of Arizona. He currently serves on the editorial board of Review of Higher Education and as a consulting editor for Research in Higher Education. Dr. Cheslock’s research focuses on how funding challenges affect public higher education institutions in a variety of areas. In recent research, he has examined how financial concerns influence institutional financial aid offerings, faculty compensation, intercollegiate athletics, and instructional productivity. His work examines key decisions facing individual higher education institutions and often seeks to understand how institutional data can be better employed to support those decisions.

Ulrik Juul Christensen
Dr. Ulrik Juul Christensen is the CEO and founding partner of Area9 - the company behind McGraw-Hill Educations adaptive learning platforms and products (LearnSmart and SmartBook). Since the launch of the first products in 2008, LearnSmart has become the largest adaptive learning platform globally spanning more than 100 course areas with millions of students using it intensively. It is also the most ambitious system in terms of adaptive precision and data monitoring. More than 1.7 billion students submissions have been received resulting in 19+ billion data points (beginning of the fall semester 2013).
Dr. Christensen has an M.D. from University of Copenhagen, Denmark, and a postgraduate degree in education from University of Dundee. He has a background in human factors and simulation research and founded his first edtech company in 1997. Dr. Christensen is the education architect behind Area9’s adaptive learning platforms.

His first company, Sophus Medical, was sold to Laerdal Medical in 2002. From 2002 to 2006 he was responsible for Laerdal Medical’s learning products globally during a period where the technologies became the basis for Laerdal Medical’s dominant role in emergency medicine computer simulation. The list of partners and customers include the US Army, HealthStream and the American Heart Association among others. He has given numerous keynote lectures and has pioneered advancements in adaptive learning, computer simulation, and debriefing technologies both in blended and online environments. Main research interests are intelligent systems to facilitate development of metacognitive skills, student compliance with learning environments and motivation.

Michael Chui

Dr. Michael Chui is a principal of the McKinsey Global Institute (MGI), McKinsey’s business and economics research arm, where he leads research on the impact of information technologies and innovation on business, the economy, and society. Michael has led McKinsey research in such areas as Big Data, Web 2.0 and collaboration technologies, and the Internet of Things. Michael is a frequent speaker at major global conferences, and his research has been cited in leading publications around the world. His PhD dissertation, entitled "I Still Haven't Found What I'm Looking For: Web Searching as Query Refinement," examined Web user search behaviors and the usability of Web search engines.

As a McKinsey consultant, Michael served clients in the high-tech, media, and telecom industries on strategy, innovation and product development, IT, sales and marketing, M&A, and organization.

Prior to joining McKinsey, Michael served as the first chief information officer of the city of Bloomington, Indiana, where he re-architected the enterprise architecture using open source technologies and led a project that resulted in Bloomington becoming the first community in the world to offer both live and archived video streaming of public meetings on the Web.

Before that, Michael was founder and executive director of HoosierNet, Inc., a nonprofit cooperative Internet service provider that offered dial-up and broadband access to the Internet to consumers, nonprofits, governments, and businesses.

Michael is based in McKinsey's San Francisco Office.

Francisco G. Cigarroa

Dr. Francisco G. Cigarroa was appointed as chancellor of The University of Texas System by the UT System Board of Regents in 2009. He is the first Hispanic chancellor of The University of Texas System. He oversees one of the largest public systems of higher education in the nation, with nine universities and six health institutions, an annual operating budget of $13 billion, more than 215,000 students, 19,000 faculty members, and 68,000 staff members.

A nationally renowned transplant surgeon, Dr. Cigarroa served as president of the UT Health Science Center at San Antonio from 2000 until his appointment as chancellor in 2009.

David Coleman

David Coleman became the ninth president of the College Board – the not-for-profit education membership organization – in October 2012.

Prior joining the College Board, Coleman was CEO of Student Achievement Partners, the nonprofit he co-founded and which played a leading role the development of the Common Core State Standards in math and literacy. Coleman also co-founded the Grow Network – an organization committed to making assessment results truly useful for educators and families – which was acquired by McGraw-Hill Education in 2005.
Emily Coleman
Ms. Coleman is an Assistant Vice President of Interactive Marketing, overseeing the retailer dot com business for Lancôme USA. In this role, she is responsible for managing this business from a sales development perspective and working with all of the dot com retailers to provide the best Lancôme client experience possible on the retailers websites. Prior to this role, Ms. Coleman held several diverse roles within the L’Oréal Group over a 10 year span, starting as an information technology analyst for the consumer products division in France, becoming a senior internal SAP consultant implementing projects in Asia and the United States, transitioning to more operational roles within the L’Oréal USA luxury product division supply chain, and finally as a Key Account Director for Lancôme USA overseeing accounts across all classes of trade from a high-end Bergdorf Goodman to a value-driven Century21. She graduated with a Masters in Engineering Science from Oxford University, where she was the recipient of the Motz University Prize in Electronic Engineering, and is a 2013 SUNY graduate, of the Fashion Institute of Technology’s Master’s of Professional Studies degree program in Cosmetics and Fragrance Marketing and Management. Ms. Coleman is fluent in French and has studied German.

R.G. Conlee
RG Conlee is the SVP, Chief Innovation Officer for Xerox with a focus on the company’s business process and information technology services. He was promoted to this position in November 2011. Previously, he served as Vice President of Technology and Innovation for ACS’ commercial business. During his twelve year tenure at ACS, which was acquired by Xerox in 2010, Conlee has served as Division Software Manager, Strategic Business Unit manager, Division Vice President and VP of Innovation for the Healthcare, Finance and Insurance Group.

Prior to ACS, Conlee was a career educator with twenty years experience as both a teacher (public and private) and administrator which included teaching assignments in both the arts (music education) and technical fields (math/science). He also was the founder of a non-profit, private, K-12 school in the Mid-West, former owner of a small computer software firm and a lead IT project manager for Kentucky Utilities/LGE Energy.

Meghan Cook
Meghan Cook is a Program Director at the Center for Technology in Government (CTG) where she leads digital government research and practice programs that foster public sector innovation and enhance organizational capability to support good governance. Working with academic, government, and industry partners, Meghan has managed over $3 million in research funds exploring the policy, management, and technology factors that influence and shape government transformation at the local, state, federal, and international levels.

Managing over 50 digital government projects, Meghan’s current portfolio includes programs focused on understanding the value of opening government and data, building smarter cities, and making value based investments. Most recently, Meghan led a project funded by NSF to examine organizational investment planning and decision making related to opening government. The result was the development of a Public Value Assessment Tool (PVAT) used by the US Department of Transportation to create their Agency’s Open Government Plan. In addition, she led a World Bank funded project to assess the Federal Government of Nigeria’s open government readiness. Here in New York State, she is leading a regional effort to open up code enforcement data for municipalities and community organizations and assisting the Metropolitan Transit Authority in their enterprise asset management efforts.

Meghan is a founding member of the City Protocol Society and a member of the Smart Cities Council. Locally she serves as an advisor to the NYS Local Government IT Directors Association and served on the United States Office of Personnel Management Open Government Flagship Committee.

Rebecca Costa
Rebecca Costa is a sociobiologist, author, and nationally syndicated radio host who offers an evolutionary explanation for current events and emerging trends. A new voice in the mold of Alvin Toffler, Thomas Friedman and Malcolm Gladwell, Costa attributes modern consternation - from terrorism, crime
on Wall Street, epidemic obesity and upheaval in the Middle East - to genetic imperatives. Retiring from a career in Silicon Valley, Costa spent six years researching and writing *The Watchman’s Rattle*. The success of the book in 25 countries led to a weekly nationally syndicated radio program called *The Costa Report*. Costa is presently represented by the American Program Bureau and the Scott Meredith Literary Agency.

**Peter Crosta**

Peter Crosta is a data scientist who conducts quantitative analyses related to the economics of higher education. He works with large state and national data sets to answer pressing questions related to the developmental education placement process, college completion, and transfer from two-year to four-year institutions. Crosta also provides research and consulting leadership, creating analytical tools to be used by researchers and administrators. He has published several articles on the economics of education, and continues to focus his research on how technology, machine learning, visualization, and big data analytics can be used to respond to postsecondary education policy challenges. Prior to CCRC, he spent three years building high-performance computing clusters for academic researchers as part of Columbia University’s central IT group, and two years as a mathematics and economics teacher at a secondary school in Quintana Roo, Mexico. Crosta holds a PhD in Economics and Education from Columbia University, an MA in Economics and Education from Teachers College, Columbia University, and a BA in Economics from Cornell University.

**Tristan Denley**

Dr. Tristan Denley earned his PhD in Mathematics from Trinity College Cambridge, and held positions in Europe and North America before becoming Vice Chancellor for Academic Affairs at the Tennessee Board of Regents in August 2013.

Throughout his career, he has taken a hands-on approach in a variety of initiatives impacting student success. He is presently involved in implementing a wide variety of initiatives surrounding college completion stretching from education redesign across the disciplines and institutional transformation, to the role of predictive analytics and data mining in higher education.

His most recent work has created a course recommendation system at APSU that successfully pairs current students with the courses that best fit their talents and program of study for upcoming semesters. This system, which combines hundreds of thousands of past students’ grades with each particular student’s transcript, to make individualized recommendations for current students was an IMS Global Learning Impact Awards winner.

**Jeff Edmondson**

Jeff Edmondson is managing director of StriveTogether, a national cradle-to-career initiative that brings together leaders in Pre-K-12 schools, higher education, business and industry, community organizations, government leaders, parents and other stakeholders who are committed to helping children succeed from birth through careers.

Edmondson was founding executive director of the Strive Partnership in Cincinnati and Northern Kentucky, a partnership of postsecondary, K-12, business, philanthropic, non-profit, and civic organizations in Cincinnati and Northern Kentucky aimed at increasing qualified workforce. In her dual role, she also provides system oversight and coordination for SUNY’s 30 community colleges that educate over a quarter of a million students each year.

Ms. Duncan-Poitier previously served as the Senior Deputy Commissioner of Education - P-16, responsible for regulatory oversight of the 700 school districts, all 270 NYS colleges and universities (public & private) and the preparation and licensure of 750,000 licensed professionals in 47 health, business and design professions.

Ms. Duncan-Poitier is presently involved in implementing a wide variety of initiatives including the Governor’s Outstanding Leadership Award; the President’s National Award for Excellence in Administering Science, Mathematics, and Engineering Programs in NY State; the NY State Association for Women in Administration-Pathfinder Award; and several honorary doctoral degrees.

Ms. Duncan-Poitier earned a baccalaureate degree from Queens College and a master’s degree from Bernard M. Baruch College, both from The City University of New York.

**Johanna Duncan-Poitier**

Johanna Duncan-Poitier is the Senior Vice Chancellor for the Offices of Community Colleges and the Education Pipeline for The State University of New York (SUNY). She provides leadership to strengthen teacher preparation and connections between SUNY’s 64 campuses, PreK–12 schools, business leaders and other partners to improve student success, graduation rates and prepare a highly-
Lee Fisher

Lee Fisher is the President and CEO of CEOs for Cities. Lee is also a Senior Fellow with the Center for Economic Development at Cleveland State University’s Levin College of Urban Affairs.

Lee has served as Ohio Lt. Governor, Director of the Ohio Department of Development, Chair of the Ohio Third Frontier Commission, Ohio Attorney General, State Senator, State Representative, and President/CEO of the Center for Families and Children, one of the largest human service nonprofits in the Midwest.

During the time Lee led Ohio’s economic development efforts, Site Selection magazine awarded its highest economic development award, the Governor’s Cup, to Ohio three consecutive years and with the Competitiveness Award, recognizing the Ohio Department of Development, under Lee’s leadership, as the most effective economic development agency in the country.

Lee is a graduate of Oberlin College and served on the Oberlin College Board for 12 years. He earned both a law degree and master degree in nonprofit organization from Case Western Reserve University, and received the law school’s first-ever Distinguished Recent Graduate Award.

Bernadine Chuck Fong

Bernadine Chuck Fong is senior managing partner for the Carnegie Foundation for the Advancement of Teaching. She directs the foundation’s developmental mathematics initiative for 50 community colleges and universities in 14 states. Through this initiative the foundation is building a networked improvement community to increase students success through the improvement of the practice in teaching. To date, the initiative has tripled the success rate of students in one-half the time. Fong is also president emerita of Foothill College in the Silicon Valley, where she began her 36-year career as a psychology and child development professor, and has authored two textbooks in these fields. She served as president for 12 years, retiring in June 2006. Under her leadership, Foothill became one of the first institutions to offer online courses for credit in 1995. Fong also has been a visiting scholar at Stanford University’s Institute for Higher Education Research and her research interests include academic leadership, organizational development, and community colleges as agents for educational equity. She is an executive coach for the Achieving the Dream Initiative, a national effort engaged in institutional transformation to assure the academic success of students of low income and of color. She has served on countless boards and commissions; she is a past trustee of Stanford University and the Carnegie Foundation; she was on the American Association of Community Colleges Board of Directors and chaired the AACC Commission for Academic, Student and Community Development and the Commission on Publications and Public Relations. She is a fellow of the American Leadership Forum of Silicon Valley and the American Council on Education (ACE), and was named “Phenomenal Woman,” an award given by Chicago’s Harold Washington College Chapter of the American Association of Women in Community Colleges. Her B.A., M.A., and Ph.D. are from Stanford University.

Fred Fonseca

Dr. Fred Fonseca is currently the co-director of the Center for Online Innovation in Learning. From 2010-2012 he was the Associate Dean for Education of the College of Information Sciences and Technology. During this time he led the online education operations of the College. His research is focused on the flow of information from its conceptualization in human minds to its implementation is computer applications. Currently he is studying the process surrounding the conceptualization, design, and instantiation of online courses.
Brian Ford is a Consulting Engineer in the Research and Advanced Development department of Cisco Systems, the worldwide leader of networking for the Internet. Brian has actively participated in the development of Cisco security solutions and products including a variety of security appliances and access control solutions. His current research areas include access control, anomaly detection and mitigation, security information sharing, and security analytics.

Lisa Foss
Lisa Helmin Foss, MBA, ABD, is the Associate Vice President and Associate Provost for Strategy, Planning and Effectiveness at St. Cloud State University in Minnesota. She holds a Bachelor’s Degree in Mass Communication and Master in Business Administration from St. Cloud State University and is in the final stage of completing a Ph.D. in Educational Policy and Administration – Higher Education from the University of Minnesota. Her dissertation topic is “Deploying Data Analytics: How Redefining, Clarifying and Integrating Factors Influence the Implementation of Organizational Innovations at US Colleges and Universities.” She completed the Harvard Graduate School of Education’s Management and Leadership in Higher Education institute. She presents frequently at the local, national and international level on change management and data analytics in higher education. She is married with three children and enjoys anything to do with good food and good wine and spending time outside in her garden as much as the short summer’s in Minnesota will allow.

Jennifer Foutty
Jennifer Foutty has been the Executive Director of the Kuali Foundation for nearly 4 years. Prior to that role, she worked for over 20 years in higher education, in information technology, finance, student services, purchasing, and contract and grant administration. Jennifer led some key projects for Indiana University, including the initiation of the PeopleSoft Student Systems project, and the negotiation to outsource the bookstores at seven campuses at IU. Jennifer has often been a speaker at conferences and seminars, and was a faculty member for seven years at the WACUBO Business Management Institute. She has also taught graduate courses at Indiana University. As Executive Director of the Kuali Foundation, Jennifer is overseeing the growth of the organization, as we continue to see significant increases in memberships, projects, and adoptions.

Katharine Frase
Katharine Frase was appointed Vice President and Chief Technology Officer, IBM Public Sector, in March 2013. As CTO, she provides thought leadership for IBM and its customers on innovation and strategic transformation specific to government, education, life sciences, healthcare and cities, driving the creation of new solutions. Prior to this role, she was Vice President, Industry Solutions Research, working across IBM Research on behalf of IBM clients, to create transformational industry-focused solutions, including the application of "Watson" technologies to business applications and the realization of Smarter Planet solutions. Earlier roles included technical and business strategy for IBM’s software business, corporate assignments on technology assessment and strategy, and roles in IBM Microelectronics in the management of process development, design/modeling methodology and production of chip carriers, assemblies and test. In 2006, she was elected as a member of the (U.S.) National Academy of Engineering. Dr. Frase received an A.B. in chemistry from Bryn Mawr College and a Ph.D. in materials science and engineering from the University of Pennsylvania. She is a member of the IBM Academy of Technology and sits on numerous external committees and boards.
SPEAKER BIOGRAPHIES

Gregory Fulkerson
Dr. Gregory Fulkerson received his M.A in Sociology from Western Michigan University in 2000, taught two years at Lansing Community College, and earned his Ph.D. in Sociology from North Carolina State University in 2006. He currently teaches courses for the Sociology department and the Environmental Science program as an assistant professor with SUNY College at Oneonta. His scholarly interests are related to globalization, rurality, community, agriculture, and the environment. His current research investigates the local and global processes leading to environmental degradation, urbanization, and the cultural representations of rural life. He is author of several conference presentations, journal articles, co-authored a recent book, Critical Rural Theory, and co-edited a forthcoming book, Studies in Urbanormativity. He was recently the program chair for the Rural Sociological Society.

Thomas Furlani
Dr. Furlani serves as Interim Associate Vice President for Information Technology (CIO) and Director of the University at Buffalo’s Center for Computational Research (CCR), a leading academic supercomputing and visualization facility. CCR maintains a high-performance computing environment, high-end visualization laboratories, and support staff with expertise in high-performance computing, (big) data analytics, and visualization. A National Science Foundation Pre-doctoral Fellow, Dr. Furlani has more than 25 years experience in scientific computing, including computational chemistry and parallel processing. Dr. Furlani serves as principal investigator on several externally funded projects, including the XSEDE TAS award. In addition, Dr. Furlani serves on the NYSERNet Board of Directors and is a founding member of the Visualization in Transportation Committee of the National Transportation Research Board. Dr. Furlani also coordinates on-going K-12, undergraduate and graduate level programs, including the Eric Pitman Annual Summer Workshop in Computational Science for High School Students.

Sean R. Gallagher
Sean Gallagher founded and leads Northeastern University’s Office of Strategy and Market Development, a central strategy and innovation function within one of the nation’s largest private research universities. Sean is a nationally recognized expert on strategy and analytics in higher education and has nearly 15 years of experience as a consultant, manager, and higher education administrator.

Sean joined Northeastern in 2009 and has played a catalytic leadership role in the development and launch of its Graduate Campuses in Charlotte and Seattle, as well as in the conception and development of various academic programs and institutional innovations. Prior to joining Northeastern, Sean worked for 10 years at research/consulting firm Eduventures, where he ran its largest and most profitable business unit and played an instrumental role in growing the company.

Sean has been a frequent speaker at higher education conferences, and an invited presenter at government and accrediting agency meetings on education policy. His analysis and commentary have been featured in leading media outlets such as The Chronicle of Higher Education, The Wall Street Journal, and CBS Television – and his research has been cited in numerous academic papers and books.

Prior to his career in higher education, Sean held an M.B.A. from the New York Institute of Technology, and a B.S. in Marketing from Northeastern University. He is currently A.B.D. in Northeastern’s higher education doctoral program (Ed.D.) while he is completing his dissertation on the role of employer demand in professional graduate education.

Steve Gallo
Steve Gallo is the Lead Software Engineer and Database Administrator at the Center for Computational Research (CCR) at the University at Buffalo (SUNY-Buffalo). CCR is a leading academic supercomputing facility whose mission is to enable research and scholarship by providing faculty with access to high-performance computing and visualization resources; provide education, outreach, and training; and foster economic development and job creation. As Lead Software Engineer, Steve has extensive experience in all aspects of software engineering and software lifecycle management and oversees software development and data analysis efforts on a number of projects at CCR. Some of his current projects include XDMoD – a comprehensive auditing and data analysis framework for the National Science Foundation’s XSEDE cyberinfrastructure, community building using virtual environments for data intensive analysis (VIDIA), volcano research and risk mitigation (Vhub), and providing industry with access to HPC resources (HPC2). He is currently working with researchers across several disciplines including geology, structural biology, chemistry, nursing, biology, management, engineering, and the social sciences. Steve holds a M.Sc. in Computer Science from the University at Buffalo.
Jay Goff

Jay Goff is vice president for enrollment and retention management at Saint Louis University. As SLU’s chief enrollment officer since August 2011, Goff oversees undergraduate and graduate admission, student financial services, student educational services, TRIO programs, international services, enrollment outreach and territory development and the office of the registrar.

With over 20 years experience in university enrollment, strategic planning and communication programs, his mission centric approach has achieved record enrollments, retention, diversity and graduation rates. Goff has focused on building a team oriented and data driven division that stresses service focused student success plans.

Prior to SLU, Goff was the vice provost and dean of enrollment management at Missouri University of Science and Technology in Rolla, Missouri for over ten years. His leadership at Missouri S&T has been credited with raising the national academic profile of the student body, increasing enrollment by nearly 60 percent, setting institutional records for diversity and student success rates, in addition to other milestones for the research intensive school.

Goff is an active member in the global enrollment management community. He has consulted with over 30 institutions in eight countries. As an active member of the American Association of College Registrars and Admissions Officers in Washington D.C., he has served as the national coordinator of AACRAO’s strategic enrollment management conference for four-year colleges and universities since 2009. The Missouri AACRAO chapter honored his leadership and contributions to the field with a professional service award in 2008.

Goff has served as the Missouri representative to the ACT testing services Board of Directors since 2004 and was a member of ACT’s national education advisory board. He is also on the board of directors for the Educational Policy Institute (EPI) in Washington D.C. Goff is frequently asked to share his expertise at national and international forums focused on strategic planning and student success. In January 2011, he delivered a keynote address on using data to improve enrollments at UK universities during a conference held in London by the Universities and Colleges Admissions Service (UCAS).

Goff earned his master’s in communication studies from the University of Kansas where his research focused on organizational communication and the college selection process. He received a bachelor’s degree in mass communication from Southeast Missouri State University.

Maria Gotsch

Maria is the President and CEO at the Partnership Fund for New York City, which is the investment arm of the Partnership Fund for New York City. In addition to leading the Fund’s operations, Maria has spearheaded the creation and operation of a number of the Fund’s strategic initiatives, including: FinTech Innovation Lab; New York Digital Health Accelerator; NYCSeed (seed financing for IT/digital media companies); BioAccelerate Prize NYC (proof-of-concept funding for university-based biomedical research); Arts Entrepreneurial Loan Fund (low cost loans for mid-size arts groups); and ReStart Central and Financial Recovery Fund (assistance and funding for small businesses impacted by 9/11/01).

Prior to joining the Fund in 1999, Maria was a Managing Director at BT Wolfensohn (now part of Deutsche Bank), providing strategic and financial advice related to mergers, acquisitions, dispositions, joint ventures and the development of business strategies. Before starting with Wolfensohn, Maria worked at LaSalle Partners in the New York area and for Merrill Lynch Capital Markets in New York and London. Maria has an MBA from Harvard Business School and a B.A. from Wellesley College. She was also the recipient of a Fulbright Fellowship to study international relations at the Institut Universitaire de Hautes Etudes Internationales in Geneva, Switzerland.

Daniel Greenstein

Dr. Daniel Greenstein serves as Director of Education, Postsecondary Success for the Bill & Melinda Gates Foundation. Greenstein oversees work to substantially increase the number of students that acquire a postsecondary degree or certificate.

Before joining the Foundation, Greenstein was Vice Provost for Academic Planning and Programs at the University of California Office of the President, a role in which he acted as the director for UC Online Education – a new effort to integrate online education into the university’s undergraduate curriculum, among other accomplishments.

Greenstein has led, in some cases founded, several internet-based academic information services in the US (the California Digital Library) and the United Kingdom (the Arts and Humanities Data Service), and served on boards and acted in strategic consulting roles for educational, cultural heritage, and information organizations.

He holds degrees from the Universities of Oxford (DPhil) and Pennsylvania (MA, BA) and began his professional life as a senior lecture in Modern History at Glasgow University. Current fascinations include sustaining models for public higher education, online undergraduate instruction, and models for supporting disruptive innovation in large well-established organizations.
SPEAKER BIOGRAPHIES

Gali Halevi
Dr. Gali Halevi is a senior analyst and program director at Elsevier. As a part of her role she is responsible for the development of Informetric tools for Elsevier’s leading products. In addition, Gali is the director of Elsevier’s Bibliometric Research Program (EBRP www.ebrp.elsevier.com) and the Research Trends Seminar series. She’s also a member of the editorial board of Research Trends (www.researchtrends.com) and a regular writer for the magazine. Working at Elsevier for the past 10 years, Gali served in several roles among which the development and implementation of customers training and educational programs and global government markets intelligence and growth. Previous to her work at Elsevier, Gali was an information specialist providing competitive intelligence services for pharmaceutical and financial companies. Gali received her MLS from the Hebrew University of Jerusalem and a PhD in Information Science from Long Island University, NY.

Steve Hirdt
Steve Hirdt, a lifelong New Yorker, has spent his entire professional life researching, compiling and distributing sports information and statistics. He is the executive vice president of the Elias Sports Bureau, the New York-based sports-information company that is the exclusive Official Statistician for the National Football League, Major League Baseball, the National Basketball Association, the National Hockey League, Major League Soccer and other leagues. The Elias Bureau is the foremost repository of sports information pertaining to the major North American professional sports leagues, and is the primary source of sports statistics distributed to major media companies, including ESPN and NBC Sports, among many others. Throughout his career, he has worked closely with most of the stars of televised sports, including Al Michaels, Tim McCarver, Jon Gruden, Mike Tirico, Frank Gifford, Keith Jackson, Howard Cosell and Dennis Miller.

Mr. Hirdt has served since 1982 as the Emmy Award-winning Director of Information for Monday Night Football, on both ABC and ESPN, working on the telecasts of close to 500 games, more than any other individual associated with the show in its 44-year history. Previously, for 20 years, he worked with ABC and CBS on their telecasts of Major League Baseball. All told, he has worked on 12 World Series, seven Super Bowls and two NBA Finals.

Mr. Hirdt has co-authored several books on baseball and football, and has been a frequent on-screen contributor to documentaries on the history of sports, such as ESPN’s SportsCentury series. Through his television appearances, both on- and off-screen, as well as through his magazine columns and books, Mr. Hirdt and the Elias Bureau have been deeply instrumental in adding to fans’ enjoyment of sports by illuminating and explaining the our favorite spectator sports through information and statistics.

John Jahnke
John is Senior Director of Global Solutions at Pivotal, a company that enables customers to create modern software applications that leverage big & fast data – on a single, cloud independent platform. John provides vision, strategic leadership, and focused determination, bringing together teams to build disruptive, progressive solutions leveraging the Pivotal data and application portfolio.

Solutions offering examples include:
Real time Intelligence for Telecommunications (RTI for Telco): RTI is a big and fast data platform that enables operators to analyze live streams of signal information, as it happens, to track and identify individual customer experiences on the operator network. The signal data is effortlessly enriched with customer information, then associated with configurable actions to enhance customer experience and improve operations.
Corporate Communication Data Lake: Financial services companies are under constant scrutiny to conform to audit requirements, in an electronic age where compliance is ever changing. This solution integrates numerous communication archive streams into a parallel analytics system, enabling auditors to dynamically interact with data, allowing customized, focused discovery requests.
IT/Security Data Lake: Pivotal in partnership with RSA offers a joint solution that big-data enables the RSA Security Analytics platform, allowing integration of additional IT and business sources into an IT Data lake. This platform empowers data scientists to leverage advanced machine learning algorithms to detect non-traditional business threats. John resides in Orchard Park NY and has spent the last 15 years working with disruptive technologies at companies like Pivotal, Greenplum and EMC. John holds a Bachelor of Science from Buffalo State College and an MBA from the University at Buffalo.

Richard Janikowski
Richard Janikowski is a Principal in Strategic City Solutions, a consulting firm specializing in data analysis and evidence-based practices addressing urban issues. He recently retired after 25 years as a professor in the Department of Criminology and Criminal Justice at
the University of Memphis in Memphis, TN and served as Director of the Center for Community Criminology and Research which provided applied research support for criminal justice agencies in the areas of crime analysis, crime mapping, and evidence-based practice. He is the recipient of the University’s Excellence in Engaged Scholarship Award and the Arts & Sciences W. Russell Smith Award for Teaching Excellence, has been included in “Who’s Who in Memphis” editions of Memphis Magazine, and in 2010 was recognized by the Memphis Commercial Appeal as one of the ten most influential people in Memphis during the past decade. He has been the Principal Investigator or Co-Principal Investigator on over 12 million dollars of grants and contracts.

Professor Janikowski has worked extensively with the Memphis Police Department, the United States Attorney for the Western District of Tennessee, the Shelby County Sheriff’s Office, and many other law enforcement agencies on a variety of projects. In addition, Professor Janikowski has served as a consultant and trainer for the U.S. Department of Justice's National Institute of Justice and its Bureau of Justice Assistance and has lectured extensively with the Memphis Commercial Appeal as one of the ten most influential people in Memphis during the past decade. He has been the Principal Investigator or Co-Principal Investigator on over 12 million dollars of grants and contracts.

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Kevin Kinser

Kevin Kinser is Chair of the Department of Educational Administration and Policy Studies and Senior Researcher at the Institute for Global Education Policy Studies at the University at Albany, State University of New York. He is also a fellow at SUNY Rockefeller Institute for Government and a Senior Fellow for Internationalization at NAFSA: Association of International Educators. He is a graduate of Columbia University’s Teachers College (New York). Kinser studies non-traditional and alternative higher education, particularly the public policies and organizational structures related to private for-profit institutions and international cross-border higher education. He is regularly sought out by national and international media outlets for commentary on for-profit and international higher education. Kinser is the author of more than 40 articles, chapters, and scholarly reports, and regularly presents papers at conferences in the United States and abroad. His most recent books are The Global Growth of Private Higher Education (Wiley, 2010) and Multinational Colleges and Universities: Leading, Governing, and Managing International Branch Campuses (Jossey-Bass, 2011).

Dean Krafft

Dr. Dean B. Krafft is the Chief Technology Strategist and Director of Information Technology at the Cornell University Library, where he serves as part of the Library’s senior management team. His academic interests include research data management and curation, digital archiving and preservation, and the use of semantic web technologies to support the discovery of and access to research, researchers, and scholarly information resources. Related to those interests, he serves as the chair of the Management Team for the VIVO Project (http://vivoweb.org), a system and community focused on describing and discovering researchers and research. Prior to joining the Library in 2008, Dr. Krafft served as the principal investigator on the NSF-funded National Science Digital Library technical network services project, leading the team that built the library infrastructure and operated the library services. Before that, he served for many years as Director of IT for Computing and Information Science at Cornell. Dr. Krafft received his Ph.D. in Computer Science from Cornell University in 1981.

David Kuntz

David Kuntz has been involved in every aspect of the large-scale educational assessment business. Over the span of his 20-year career, he has held senior positions at Educational Testing Service (ETS) and the Law School Admissions Council (LSAC). He also created the first automated test assembly algorithm and system for the current LSAT, the first web-based computer-adaptive test delivery system, the first online AP practice program using real AP graders, and the first large-scale web-based portfolio scoring and management system. He has been awarded five assessment-related patents. David holds a B.A. in Philosophy from Brown, an M.A. in Philosophy from Rutgers, and an MBA from Wharton.

Jason E. Lane

Jason E. Lane is an internationally recognized scholar in the study of higher education institutions and policies as well as an academic leader at the most comprehensive system of higher education in the United States. In his role as Associate Vice Chancellor for Academic Programs and Planning and Associate Provost for Graduate Education and Research for the State University of New York (SUNY), Dr. Lane oversees the office responsible for the review of all academic programs across the system’s 64 campuses and the development and implementation of key academic initiatives and policies that support the system’s Strategic Plan, The Power of SUNY. He also provides leadership for the System’s efforts to attract and retain exceptional researchers through the Empire Innovation Program as well as coordinates the annual SUNY Critical Issues in Higher Education conference and book series, which promotes academic inquiry into the most pressing issues facing public colleges and universities.

Previously, Dr. Lane served as a SUNY Provost Fellow and continues to serve as the Deputy Director for Research at the Nelson A. Rockefeller Institute of Government, the public policy think tank of the State University of New York. He is also an associate professor of educational policy (on leave), senior researcher at the Institute for Global Education Policy Studies, and co-director of the Cross-Border Education Research Team (C-BERT) at the University at Albany (SUNY).

In his scholarly pursuits, Dr. Lane has written more than 40 journal articles, book chapters, and policy reports; and authored or edited eight books, including Multi-National Colleges and Universities: Leadership and Administration of International Branch Campuses (Jossey-Bass, 2011, w/ Kevin Kinser), Colleges and...
A leader in the area of international education policy and practice, Dr. Leventhal is a vocal advocate for important reform of U.S. recruiting practice, development of new financing paradigms in support of campus internationalization, creation of technical systems better designed to support comprehensive internationalization, and deeper and more creative approaches to engagement with corporate partners.

Dr. Leventhal earned his bachelors and masters degrees in Political Science from the University of Pennsylvania. He earned his Ph.D. in the International Political Economy of Higher Education from the University of Chicago. Dr. Leventhal resides in New York City.

Shirley Malcom

Shirley Malcom is head of Education and Human Resources of the American Association for the Advancement of Science (AAAS) and member of the SUNY Research Council. At AAAS she works to improve the quality and increase access to education and careers in STEM fields as well as to enhance public science literacy. Dr. Malcom is a trustee of Caltech and a regent of Morgan State University. She is a former member of the National Science Board, the policymaking body of the National Science Foundation, and served on President Clinton’s Committee of Advisors on Science and Technology. Malcom, a native of Birmingham, Alabama, received her PhD in ecology from The Pennsylvania State University, masters in zoology from UCLA and bachelor’s with distinction in zoology from the University of Washington. She holds 16 honorary degrees.

Malcom serves on the boards of the Heinz Endowments, Public Agenda, the National Math-Science Initiative and Digital Promise. Internationally, she is a leader in efforts to improve access of girls and women to education and careers in science and engineering and to increase use of S&T to empower women and address problems they face in their daily lives, serving as co-chair of the Gender Advisory Board of the UN Commission on S&T for Development and Gender InSITE, a global campaign to deploy S&T to help improve the lives and status of girls and women. In 2003, Dr. Malcom received the Public Welfare Medal of the National Academy of Sciences, the highest award given by the Academy.

Jim Malatras

Dr. James J. Malatras joined SUNY July 1, 2013 as Vice Chancellor for Policy and Chief of Staff. In this position, he is a senior advisor to the Chancellor’s Executive team, the Board of Trustees, and the University’s 64 campuses on strategic communications, and all matters of higher education, state and federal policy.

Dr. Malatras previously served as Deputy Secretary for Policy Management for Governor Andrew M. Cuomo. Prior, Jim served as deputy director for policy on Andrew Cuomo’s successful campaign for Governor, executive director of legislative affairs and state policy for Attorney General Cuomo, legislative director to Assemblyman Richard L. Brodsky; and an adjunct instructor at the University at Albany and Hudson Valley Community College.

Dr. Malatras received his B.A. in Political Science, his M.A. in Political Science, and his Ph.D. in Political Science, all from the University at Albany.
SPEAKER BIOGRAPHIES

Rebecca R. Martin
Rebecca Martin is the Executive Director of the National Association of System Heads, an association of chief executives of the 52 college and university systems of public higher education in the United States and Puerto Rico. NASH and its partners have worked hard to form a network of presidents, chancellors, executive directors, and commissioners. Together, this group supports leaders and their peers in the unique roles they play. NASH and its affiliates boast more than 30 years of collaboration, system heads in 40 states, more than 5.6 million students, and support for public multi-campus systems which enroll 75% of all students in public four-year colleges and universities.

Dr. Martin also serves as Higher Education Director at the Education Delivery Institute, an innovative non-profit organization that focuses on implementing large-scale system change in public education. Previously, Dr. Martin served in leadership positions at the University of Wisconsin System, the University of Wisconsin–Parkside, and the University of Wisconsin. She earned her doctorate in Public Administration from the University of Southern California. Her research interests include organizational change, equity in higher education, and community-based learning.

H. Carl McCall
H. Carl McCall was appointed Chairman of The State University of New York Board of Trustees October 17, 2011. He first joined the Board as a member on October 22, 2007.

Mr. McCall served as Comptroller of the State of New York from May 1993 to December 2002. As Chief Fiscal Officer of the State, he was responsible for governmental and financial oversight and pension fund management. As sole Trustee of the 880,000-member State and Local Retirement Systems, Mr. McCall was responsible for investing a pension fund valued at $120 billion.

Mr. McCall has had a distinguished career as a public servant. He served three terms as a New York State Senator representing the upper Manhattan district of New York City; as an Ambassador to the United Nations; as a Commissioner of the Port Authority of New York and New Jersey; and as the Commissioner of the New York State Division of Human Rights.

Mr. McCall has been a passionate advocate for public education. He served as President of the New York City Board of Education from 1991 – 1993, where he set policy for the largest school system in the nation and as the Chairman of the Public Higher Education Conference Board, a coalition of 14 member organization which supports a strong and vibrant public higher education system in New York State.

He has also been active in the private sector; he served as a Vice President of Citibank and as Corporate Director of the New York Stock Exchange, Tyco International, New Plan Realty Corporation and presently Ariel Investment.

He was educated at Dartmouth College, Andover Newton Theological Seminary and the University of Edinburgh. He is the recipient of nine honorary degrees.

Lisa Montiel
Lisa Montiel is the Strategic Enrollment Planning Analyst in the Provost Office at SUNY System Administration. Dr. Montiel works on behalf of the Provost as the System point person for academic issues and system-wide initiatives pertaining to strategic enrollment management. She oversees the analytical framework, tools, and resources to support campus and system-wide enrollment planning. She is responsible for SUNY’s efforts to align its academic programs and facilities with regional and statewide economic development priorities, to prepare graduates in high-need and emerging fields, and to ensure sufficient capacity across disciplines and regions to meet student demand and support transfer among campuses.

Prior to her position at SUNY System Administration, Dr. Montiel was a Senior Research Scientist at Rockefeller Insti-
tute of Government for twelve years providing data management, quantitative analyses, and GIS support for numerous projects in the Office of Urban and Metropolitan Studies. Montiel also held teaching and research positions at the University at Albany in the Department of Anthropology. She holds a Ph.D. in Anthropology from University at Albany, an M.A. in Anthropology from Northern Illinois University, and B.A. in Anthropology from the University of Illinois at Urbana-Champaign.

Kenneth P. O’Brien
Dr. Kenneth Paul O’Brien is the current President of the University Faculty Senate for the State University of New York. He earned his PhD in American history from Northwestern University. The recipient of the Winslow Award for the best public history project in New York State (1992), and both the SUNY Chancellor’s Award for Excellence in Teaching (1981) and the Chancellor’s Award for Faculty Service (2005). His major publications include SUNY at 60 (SUNY Press 2009), co-edited with W. Bruce Leslie and John Clark, “The United States and War in the Twentieth Century,” a chapter in The Cambridge Companion to Modern American Culture (2006), and The Home-Front War (Greenwood Press, 1995), co-edited with Lynn Hudson Parsons. In addition, he has served as Monroe County Historian (1989-1995), a member of the New York Historical Records Advisory Board for the past decade, and a member of the Motion Picture Association of America’s Ratings Board for two years.

Rebecca Petersen
Rebecca’s work at edX is focused on managing sponsored research and proof-of-concept projects. Her current work includes managing the pilot of MOOC courses being adapted for on-campus learning at San Jose State University and Massachusetts Community Colleges as well as piloting community learning models in Boston and Chicago. She also works with the edX team on establishing best practices for course development, design, and faculty support.

Rebecca began her career as a middle school educator in Lincoln, Nebraska and has since worked in higher education eLearning for the past 15 years. Early in her career she began integrating technology into the curriculum with her students, inspired by her experience working students with learning disabilities, who benefited from using computer and mobile technologies for learning. Through this work, she quickly discovered her passion for learning and instructional design which led her to graduate study at the Harvard Graduate School of Education. Prior to edX Rebecca was the Director of Academic Technology and eLearning Resources for Lesley University, providing leadership and support to expanding blended and online learning programs in 23 states. While at Lesley she was also faculty in graduate school of education, teaching courses in social media and instructional design.

Brian T. Prescott
Brian T. Prescott is the director of policy research at the Western Interstate Commission for Higher Education (WICHE). In this role, he co-manages WICHE’s Policy Analysis and Research unit, with primary responsibility for obtaining and analyzing education and workforce data with public policy relevance. He is author of the two most recent editions of Knocking at the College Door, WICHE’s widely-used projections of high school graduates by state and race/ethnicity. Additionally, he manages grant- and contract-funded projects and authors occasional policy briefs, chapters, and research reports. Prescott has experience working directly with states on issues of access, success, affordability, accountability, workforce development, and data systems development. Currently, he is managing WICHE’s Gates Foundation-funded project to develop a multistate longitudinal data exchange. He also serves on the board of directors of the National Association for College Admission Counseling. Prescott received a Ph.D. in higher education from the University of Virginia and also holds degrees from the University of Iowa and the College of William and Mary.

Juliette Price
Juliette Price serves as Education Policy Manager for Chancellor Nancy L. Zimpher, managing various aspects of the education pipeline and multiple initiatives related to teacher education, cradle to career partnerships, and statewide education policy. A proud SUNY graduate, Juliette has been with SUNY since 2010, previously serving as Coordinator of Outreach and Engagement focusing on service-learning and supporting SUNY’s strategic plan.
Jay Quaintance

Jay Quaintance serves as Assistant Vice Chancellor and Assistant Provost for Community College Policy and Planning at the State University of New York. He provides system support to the 30 SUNY community colleges for the implementation of the SUNY strategic plan. His portfolio includes coordinating efforts to advance many of SUNY’s critical efforts within our community college sector to ensure student access and success with a focus largely on improving outcomes in the areas of college readiness, remediation, workforce and workplace development.

Jay came to this role after joining SUNY in December 2011 as Assistant Vice Chancellor for Community Colleges, following 18 years of higher education experience in New York and New Mexico. Immediately prior, he served as the Assistant Dean of Academic Affairs at Schenectady County Community College where he oversaw the College’s retention and enrollment management efforts. At SCCC he also served as Professor and Chair of the Department of Developmental Studies, taught developmental writing, and oversaw the developmental education program. Additionally, he led college level curriculum development and alignment for Schenectady Smart Scholars Early College High School.

Before moving to New York, Mr. Quaintance taught in the writing program, as well as Upward Bound, at New Mexico State University and Dona Ana Community College in Las Cruces, New Mexico. Mr. Quaintance currently serves as president of the Board of Directors of Cornell Cooperative Extension of Schenectady County, as a member of the Town of Niskayuna Planning Board and Zoning Commission, and the Open Stage Media Advisory Committee.

Michael Rappa

Michael Rappa is Executive Director of the Institute for Advanced Analytics and a member of the faculty in the Department of Computer Science at North Carolina State University. As head of the Institute, he leads the nation’s first Master of Science in Analytics as its founder and principal architect. Before joining NC State as Distinguished University Professor in 1998, for nine years he was a professor at the Massachusetts Institute of Technology. Dr. Rappa has 25 years of experience as a professor working across academic disciplines at the intersection of management and computing. An accomplished researcher and instructor, his passion is to bring an entrepreneurial and forward-thinking mindset to innovation in higher learning. His current role is to prepare a new generation of data savvy professionals for leadership in a digital world.

Harper Reed

Harper Reed is an hacker/engineer who builds paradigm-shifting tech and leads others to do the same. Harper loves using the enormity of the Internet to bring people together, whether as CTO of Obama for America, CTO at Threadless.com, or on his own projects. Harper and his team created Dashboard, a site that connects volunteer teams and acts as an online component of the field office. You can often find Harper playing with new technology, looking for something to hack, or enjoying life in Chicago with his amazing wife, Hiromi.

Philip R. Regier

Phil became the dean of ASU Online in July 2009. He is responsible for guiding Arizona State University’s expansion into online learning and leadership role in education innovation. In four years, ASU Online has grown from 400 to 7,000 students and from six to 60 degree programs. The university has recently received recognition from The New York Times and Bill Gates for its work in adaptive learning and use of data in student advising, as well as earning the top ranking by U.S. News & World Report for online student services and technology. Dean Regier previously served as executive dean at the W.P. Carey School of Business at ASU. He is an accounting faculty member and has published research in leading academic journals on postretirement benefits, corporate restructuring and market-based accounting. Dean Regier previously earned his undergraduate degree in philosophy and mathematics from St. John’s College and his Ph.D. in accountancy from the University of Illinois at Urbana-Champaign.

Timothy Renick

Timothy Renick is Vice Provost, Chief Enrollment Officer and Professor of Religious Studies at Georgia State University in Atlanta. A Phi Beta Kappa, summa cum laude graduate of Dartmouth College, Dr. Renick holds his M.A. and Ph.D. in Religion from Princeton University. At Georgia State, he has served as Director of the Honors Program, chair of Religious Studies, and chair of the university’s Committee on Academic Programs. Since 2008, he has
overseen the university’s admissions, enrollment, scholarship, aid, and student success programs. During this time period, graduation rates have increased by 10 points, success rates for underrepresented students have increased by 18 points, and the University now ranks first in the nation in bachelor’s degrees conferred to African Americans. Dr. Renick is currently principal investigator on three grants: from the National Science Foundation to study the impact of unmet financial need on the academic performance of STEM majors; from the Teagle Foundation for a multi-year study of the religious studies major; and from Lumina/AACCU for a study of transfer success and degree completion within three academic disciplines. In 2002, he was given the Award for Teaching Excellence for the State of Georgia by the Georgia Board of Regents, and in 2004 he was named National Teacher of the Year in the field of Religion by the American Academy of Religion. His work on student retention has been featured in the Wall Street Journal, The Atlantic, and the Chronicle of Higher Education and on NPR, PBS and CNN.

Vivian Riefberg
Vivian Riefberg is a Director (Senior Partner) in the Washington, DC office of McKinsey & Company, Inc. She leads the Public Sector practice for the Americas and is a co-leader of the Firm’s Health Care Practice. She has led work in the areas of strategy development, performance improvement, marketing, organization and operations across the health care industry.

Since joining McKinsey more than 20 years ago, Vivian has led major performance improvement programs across various participants in the health care arena in the private, public and non-profit sectors. She is also one of the Firm’s leaders in health economics and leads the ongoing work in understanding the impact of government on the U.S. health care system, including with the McKinsey Center for U.S. Health System Reform. Her experience includes extensive work across industry participants creating common utilities for payors such as payment, network contracting, and other functions.

A frequent contributor to leading industry publications including The McKinsey Quarterly and The Wall Street Journal, Vivian has authored or co-authored many articles – most recently she co-authored an Op-Ed in Government Executive, “Analysis: Don’t be fooled – this transition matters more than ever,” and “Three Imperatives for Improving US Healthcare.” Vivian currently serves on the Board of Directors of the Partnership for a Healthier America, an independent, nonpartisan organization that mobilizes broad-based support for efforts to solve the child obesity challenge, an outgrowth of the First Lady’s Let’s Move campaign.

She served as a keynote speaker at numerous health care conferences. In addition, she served from 2000-2004 on the NIH Clinical Center Board of Visitors and from 2004-2006 as a member of the NIH Advisory Board for Clinical Research. She also served on the Board of Directors of Mentors, Inc., a program for D.C. public high school students.

Prior to joining McKinsey & Company, Inc., Vivian worked as manager of marketing communications for American Medical International where she developed strategic marketing programs for 18 hospitals in 5 southern states. Additionally, she served as a project manager for a real estate development company and for several years as an account supervisor for Ogilvy & Mather.

Vivian has a B.A. magna cum laude in history from Harvard-Radcliffe College and a M.B.A. with distinction from Harvard Business School.

J.R. Robles
Dr. Robles has more than 20 years of experience in the higher education sector, as faculty, administrator and executive. He has won teaching excellence awards and has published papers on scientific computing applications in biomedical and social sciences, with citations reaching triple digits in various impact indexes. He has authored numerous conference presentations, book chapters and white papers in research ethics, data management and stewardship, and data visualization. He has also served as a consultant for large multinational corporations, small businesses and non-profit organizations.

Dr RObles has implemented hundreds of statistical and artificial intelligence algorithms, including procedures to analyze Big Data, predictive analytics and advanced text mining. He has participated in the design and implementation of several data repositories, decision support systems, data warehouses and business intelligence systems, including electronic medical records and massive institutional databases.

Evolving from a strong quantitative and computational background, he has developed his own data analysis philosophy with emphasis on visualization and relevance of results. His unique reporting style is reflected in his institutional contributions to the higher education sector, custom reports for consulting clients and contributions to online outlets (blogs, instructional materials, among others).

In recent years, Dr. Robles has carried out several Big Data projects, including CRM and social-media analysis, text mining of open-ended survey responses, and predictive analytics applied to college enrollment forecasts and student life-cycle analysis (enrollment-attainment). His approach to college student opinions as Big Data is at the core of his contribution for the CIHE conference.
Richard Rodts
Richard Rodts is the Manager of the Solution Specialist Team and manages Global Academic Programs at IBM. He has responsibility to work with executives in education to implement Predictive Analytics to drive optimal outcomes within their institutions.

Prior to joining IBM, Richard worked in director level positions within the Business Analytics space. Notable is his 9 years as Director of Education for SPSS Inc, a leading provider of predictive analytics software and solutions where he directed sales and marketing program initiatives. Richard helped to transition the SPSS education business to IBM, ensuring the forty year legacy of SPSS in education was maintained while also providing additional value to education clients and solidifying the future strategic vision of the SPSS brand within IBM.

In his current role, Richard leads a team of three staff to evangelize the importance of predictive analytics within education, both from a functional perspective as well as empowering future analytics leaders. Richard’s specific focus is on helping education institutions at all levels leverage the power of Predictive Analytics to create more meaningful engagement with every student.

Richard lives in the Chicagoland area with his wife Michele, their three children and Golden Retriever. When not working, Richard likes to relax with family, travel, tinker with technology and take pictures.

Amy Scott
Amy Scott is an award-winning journalist and independent documentary filmmaker. A familiar voice to public radio listeners since 2001, she is currently the education correspondent for Marketplace, the business and economics show produced by American Public Media. From 2003 to 2010, she reported from Marketplace’s New York bureau, focusing on the culture of Wall Street, and becoming bureau chief in 2008.

In 2013 Scott received a Gracie award for a series on education and poverty. In 2012 Scott and Marketplace China correspondent Rob Schmitz won a national Edward R. Murrow award for their investigation of agencies that place Chinese students in U.S. colleges. Their work also won first prize for investigative reporting from the Education Writers Association. Other honors include a 2010 National Headliner Award and a special citation from the Education Writers Association for an investigation of recruiting abuses at the University of Phoenix, co-reported with Sharon Couts of ProPublica. Scott also won a Gracie award for feature reporting in 2006.

Before joining Marketplace, Scott worked as a reporter in Dillingham, Alaska, home to the world’s largest wild sockeye salmon run. She spends much of her free time exploring Maryland’s hiking trails and playing various musical instruments. She is a long-time student and performer of Javanese gamelan music.

A native of Colorado Springs, Colo., Scott has a bachelor’s degree in history from Grinnell College and a master’s degree in journalism from the University of California, Berkeley, where she studied documentary filmmaking. She lives in Baltimore.

Naveen Sharma
Director of Computing and Information Services Laboratory and Chief Innovation Officer, Xerox ITO Group

Naveen Sharma directs the Computing and Information Services Lab (CISL) at the Xerox Research Center Webster (XRCW). His technical leadership in distributed/cloud computing and data intensive scalable computing played a significant role in the formation of CISL, which is broadly focused on research and development of scalable computing for business process and document solutions, big data analytics, and human computations.

In his current role, Naveen oversees a wide range of research areas including analytics and large scale computing, business process and service computing, HCI, software innovations, ethnography, and information technology solutions. He helped establish an offshore software development team for Xerox Innovation Group, and also manages several active open innovation collaborations with a
number of top research universities.

In his role as the Chief Innovation Officer, Naveen is focused on IT services innovations focused on analytics, retail, and manufacturing verticals. He is also responsible for participating in strategic directions for ITO in light of emerging compute paradigms such as cloud and autonomic systems.

Naveen joined the Xerox Innovation Group (XIG) in 1994. He has extensive experience in technology transfer and the delivery of product ready code to Xerox business groups. Most of his projects have included customer-focused research and experimental systems building, and many have resulted in actual offerings being created or enhancements to existing offerings. He has spent time embedded within product groups to understand their challenging technical issues.

Prior to joining Xerox, Naveen was a Research Assistant Professor at the Institute of Computational Science (ICM), Kent State University in Ohio, a position funded by a National Science Foundation Higher Performance Computing grant.

Naveen has a master’s degree in mechanical engineering and a doctorate in computer science. He holds more than 25 U.S. patents and patent applications, and has published more than 28 research papers.

Alfred Spector

Alfred Spector joined Google in 2007 and is responsible for research at Google and also Google’s open source, university relations, internationalization, and many education initiatives. Dr. Spector is also the executive engineering lead for Google.org, which applies Google’s strengths in information and technology to build products and advocate for policies that address global challenges. Dr. Spector speaks widely on research and innovation, and spends much time helping Google connect to the university research community.

Previously, Dr. Spector was vice president of strategy and technology at IBM’s Software Business, and prior to that, he was vice president of services and software research across IBM. He was also founder and CEO of Transarc Corporation, a pioneer in distributed transaction processing and wide area file systems, and was an associate professor of computer science at Carnegie Mellon University, specializing in highly reliable, highly scalable distributed computing.

Dr. Spector received his Ph.D. in computer science from Stanford and a bachelor’s degree in applied mathematics from Harvard. He is a member of the National Academy of Engineering and a Fellow of American Academy of Arts and Sciences, the IEEE and the ACM. Dr. Spector is also the recipient of the 2001 IEEE Computer Society’s Tsutomu Kanai Award for work in scalable architectures and distributed systems.

Clare van den Blink

As a member of the CIO’s leadership team at Cornell University, Clare is responsible for providing strategic direction and planning for academic technology services, facilitates the Faculty Advisory Board on Information Technology, and works with campus governance committees for learning technologies, instructional space, and assessment. She directs the implementation of research and pilot projects for new and emerging learning technologies, and developed a learning technology evaluation methodology for the Innovation in Teaching Program.

As the Director of Academic Technologies, Clare manages the services, programs and staff for course technologies, instructional labs, new media programs, instructional design and instructional project development.

Van den Blink has expertise in instructional technology development and the evaluation of instructional technology within a learning environment, as well as experience teaching in both traditional classroom and online formats.

Vivek Wadhwa

Vivek Wadhwa is Vice President of Innovation and Research at Singularity University; Fellow, Arthur & Toni Rembe Rock Center for Corporate Governance, Stanford University; Director of Research at the Center for Entrepreneurship and Research Commercialization at the Pratt School of Engineering, Duke University; and distinguished visiting scholar, Halle Institute of Global Learning, Emory University. He is author of "The Immigrant Exodus: Why America Is Losing the Global Race to Capture Entrepreneurial Talent" – which was named by The Economist as a Book of the Year of 2012. He was named by Foreign Policy Magazine as Top 100 Global Thinker in 2012. In 2018, TIME Magazine listed him as one of The 40 Most Influential Minds in Tech.

Wadhwa oversees research at Singularity University, which educates a select group of leaders about the exponentially growing technologies that are soon going to change our world. These advances — in fields such as robotics, A.I., computing, synthetic biology, 3D printing, medicine, and nanomaterials — are making it possible for small teams to do what was once possible only for governments and large corporations to do: solve the grand challenges in education, water, food, shelter, health, and security.

In his roles at Stanford, Duke, and Emory universities, Wadhwa lectures in class on subjects such as entrepreneurship and public policy, helps prepare students for the real world, and leads groundbreaking research projects. He is an advisor to several governments; mentors entrepreneurs; and is a regular columnist for The Washington Post, Wall Street
Ellen Wagner
Ellen Wagner, Executive Director for WCET. She continues in her role as Partner and Founder of Sage Road Solutions, LCC, providing advisory oversight for industry intelligence and enablement services and solutions practices.

Ellen is the former senior director of worldwide eLearning, Adobe Systems, Inc. and was senior director of worldwide education solutions for Macromedia, Inc. Prior to working in software solutions marketing and product development, Ellen was Chief Learning Officer and Director of Education for Viviance new education, a Swiss-based eLearning company with offices in 10 North American and European countries. She was Chief Learning Officer and VP of Consulting Services for Informania, Inc. prior to its acquisition by Viviance.

Before joining the private sector, Ellen was a tenured Professor and Chair of the Educational Technology program at the University of Northern Colorado, and held a number of administrative posts, including Director of the Western Institute for Distance Education and Coordinator of Campus Instructional and Research Technologies, Academic Affairs. She was a Visiting Scholar with WCET, formerly the Western Cooperative for Education Telecommunications while on sabbatical leave from UNC. Her Ph.D. in learning psychology comes from the University of Colorado - Boulder. Her M.S. and B.A. degrees were earned at the University of Wisconsin - Madison.

Hao Wang
Dr. Wang is SUNY Chief Information Officer. He provides strategic and operational leadership for the governance, development, and execution of SUNY-wide information and technology strategy. He leads the SUNY-wide information technology transformation to assist and enable SUNY’s core mission and business strategy. Dr. Wang also leads the strategy and operation of information and technology innovation for The Research Foundation for SUNY, assisting the RF’s and SUNY’s strategy for the growth of basic, translational, and clinical research.

Prior to joining SUNY and the RF, Hao was a managing director of Accenture, leading Accenture’s healthcare practice in Greater China. Before Accenture, Dr. Wang worked as the Deputy Commissioner and Chief Information Officer in the New York State Office of Mental Health (OMH), setting policies and direction for information and technology management for OMH’s central office, field operations, 26 psychiatric hospitals, 2 research institutes, and more than 300 outpatient facilities.

Hao served as a member of the steering committee for New York State IT Transformation strategic initiatives. He was elected into the NYS CIO Council Leadership Committee, co-chaired the NYS Enterprise Architecture Committee, and provided thought leadership on Statewide Enterprise Architecture, Data and Information Governance, Master Data Management, Government Health Architecture, data sharing, and cloud computing.

Over the years, Hao was appointed into the adjunct faculty of Columbia University, SUNY Albany, and Tsinghua University School of Public Policy and Management. He earned his Ph.D. from Massachusetts Institute of Technology (MIT) and Master in Public Administration (MPA) from Harvard University. He also has a Master in Science from the University of Michigan in Ann Arbor and a bachelor’s degree from Peking University.

Ben Wildavsky
Ben Wildavsky is director of higher education studies at the State University of New York’s Rockefeller Institute of Government, and policy professor at SUNY-Albany. A former senior scholar at the Kauffman Foundation and guest scholar at the Brookings Institution, he is the author of the award-winning book The Great Brain Race: How Global Universities Are Reshaping the World. He is also the co-editor of Reinventing Higher Education: The Promise of Innovation. His articles have appeared in the Washington Post, the Wall Street Journal, Foreign Policy, the New Republic, the Atlantic, and many other publications. Wildavsky, a former education editor of U.S. News & World Report, has spoken to dozens of audiences in the United States and abroad, including at Google, Harvard, and the World Bank. He has convened gatherings of national education leaders, supervised the editorial operations of the best-selling U.S. News college guides, and managed a $2.5 million foundation grant portfolio. As a strategic and editorial consultant, he has provided advice to education leaders and has written influential policy reports, including the report of the Secretary of Education’s Commission on the Future of Higher Education.
Irving Wladawsky-Berger

Dr. Irving Wladawsky-Berger retired from IBM in May of 2007 after a 37-year career with the company, where his primary focus was on innovation and technical strategy. He led a number of IBM’s companywide initiatives including the Internet and e-business, supercomputing and Linux. In his emeritus role, he has continued to collaborate with the company on major new market strategies like Cloud Computing and Smart Cities.

In March of 2008, Dr. Wladawsky-Berger joined Citi as Strategic Advisor, working on innovation and technology initiatives including the transition to mobile digital money and payments. Since 2005 he has been writing a weekly blog, irvingwb.com, and in April of 2012 he became a regular contributor to the Wall Street Journal’s CIO Journal. He is Visiting Lecturer at MIT’s Sloan School of Management and Engineering Systems Division, Adjunct Professor in the Innovation and Entrepreneurship Group at the Imperial College Business School, Executive-in-Residence at NYU’s Center for Urban Science and Progress (CUSP), a member of the Advisory Board of USC’s Annenberg Innovation Lab, and Senior Fellow at the Levin Institute of the State University of New York. He was cochair of PITAC – the President’s Information Technology Advisory Committee. A native of Cuba, he was named the 2001 Hispanic Engineer of the Year.

Dr. Wladawsky-Berger received an M.S. and a Ph. D. in physics from the University of Chicago.

Nancy L. Zimpher

In June 2009 Nancy L. Zimpher became the 12th Chancellor of the State University of New York. With more than 467,000 students, SUNY is the nation’s largest comprehensive system of higher education.

Chancellor Zimpher began her work at SUNY with a statewide tour of SUNY’s 64 campuses, which became the first phase of a systemwide strategic planning process. This plan, called The Power of SUNY, was launched in April 2010, with the central goal of harnessing SUNY’s potential to drive economic revitalization and create a better future for every community across New York.

As The Power of SUNY is put into action, Chancellor Zimpher is leading a diverse set of new initiatives at SUNY in several key areas, including research and innovation, energy, health care, global affairs, and the education pipeline. She has also been a vocal advocate for groundbreaking legislative reforms that ensure SUNY can continue to provide broad access to higher education in an environment of declining state support, while maximizing its impact as an engine of economic development.

Dr. Zimpher currently serves as chair of the Board of Governors of the New York Academy of Sciences and of CEOs for Cities; is vice chair of the NCAA Collegiate Model Enforcement sub-committee; and is a member of the Business-Higher Education Forum. From 2005 to 2011, Dr. Zimpher chaired the national Coalition of Urban Serving Universities.

Prior to coming to SUNY, Dr. Zimpher served as president of the University of Cincinnati, chancellor of the University of Wisconsin-Milwaukee, and executive dean of the Professional Colleges and dean of the College of Education at The Ohio State University. She has authored or co-authored numerous books, monographs, and academic journal articles on teacher education, urban education, academic leadership, and school/university partnerships.

Chancellor Zimpher holds a bachelor’s degree in English Education and Speech, a master’s degree in English Literature, and a Ph.D. in Teacher Education and Higher Education Administration, all from The Ohio State University.
Local, state, and national economies are facing unprecedented levels of international competition. The current fiscal crisis has hampered the ability of many governments in the developed world to directly facilitate economic growth. At the same time, many governments in the developing world are investing significant new resources into local infrastructure and industry development initiatives. At the heart of the current economic transformation lie our colleges and universities. Through their roles in education, innovation, knowledge transfer, and community engagement, these institutions are working toward spurring economic growth and prosperity.

This book brings together leading scholars from a variety of disciplines to assess how universities and colleges exert impact on economic growth. The contributors consider various methodologies, metrics, and data sources that may be used to gauge the performance of diverse higher education institutions in improving economic outcomes in the United States and around the world. Also presented are new typologies of economic development activities and related state policies that are designed to improve understanding of such initiatives and generate new energy and focus for an international community of scholars and practitioners working to formulate new models for how public universities and colleges may lead economic development in their states and communities while still performing their traditional educational functions.

*Universities and Colleges as Economic Drivers* is meant to cultivate greater understanding among elected officials, business representatives, policymakers, and other concerned parties about the central roles universities and colleges play in national, state, and local economies.

**Jason E. Lane** is Associate Vice Chancellor for Academic Programs and Planning and Associate Provost for Graduate Education and Research at the State University of New York, Deputy Director of the Rockefeller Institute of Government, and Associate Professor of Educational Policy at the University at Albany, State University of New York. **D. Bruce Johnstone** is Distinguished Service Professor Emeritus of Higher and Comparative Education at the University at Buffalo, State University of New York, and former Chancellor of the State University of New York. Both have published several books focusing on both US and international higher education.

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This thought-provoking volume brings together scholars and system leaders to analyze some of the most pressing and complex issues now facing higher education systems and society. Higher Education Systems 3.0 focuses on the remaking of higher education coordination in an era of increased accountability, greater calls for productivity, and intensifying fiscal austerity. System heads have been identifying ways to harness the collective contributions of their various institutions to benefit the students, communities, and other stakeholders that they serve. The contributors explore the recent dynamics of higher education systems, focusing particularly on how systems are now working to improve their effectiveness in educating students and improving our communities, while also identifying new means for operating more efficiently. This enhanced collaboration, or systemness, is the key aspect of version 3.0.

Jason E. Lane is Associate Vice Chancellor for Academic Programs and Planning and Associate Provost for Graduate Education and Research at the State University of New York, Deputy Director of the Rockefeller Institute of Government, and Associate Professor of Educational Policy at the University at Albany, State University of New York. D. Bruce Johnstone is Distinguished Service Professor Emeritus of Higher and Comparative Education at the University at Buffalo, State University of New York, and former Chancellor of the State University of New York. They are the coeditors of Universities and Colleges as Economic Drivers: Measuring Higher Education’s Role in Economic Development, also published by SUNY Press.

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The third volume in the SUNY Critical Issues in Higher Education Series—*Building A Smarter University: Big Data, Innovation and Ingenuity*—will focus on three primary themes related to building a smarter university: enhancing the operations and management of higher education institutions, improving the education pipeline, and educating the next generation of data scientists.

**Enhancing Operations and Management**
For decades, institutional research offices have been collecting student data to analyze things such as retention and graduation rates. As technology rapidly continues to evolve, the breadth and depth of data available to campuses is growing. Student ID cards allow institutions to track library usage, dining habits on and off campus, health center usage, medical treatments, attendance at co-curricular activities, and what residence halls or classrooms they access. Course management software can monitor student grades, which students access course material and for how long, and provide real-time learning assessments. Colleges and universities also generate the same infrastructure information that many cities are now using to improve their own effectiveness. This includes data created by parking enforcement, pedestrian patterns, traffic flows, energy usage, and recycling efforts. The data is massive and the possibilities for ingenuity are endless.

**Improving the Education Pipeline**
Over the last several years, there has been a growing interest both inside and outside of the academy to better insulate the education pipeline, seeking to promote access, completion, and success of our students. There have been a growing number of efforts to capture and use data to better understand where students are coming from, how they experience college, and where they go after graduating. Moreover, new analytical methods being developed inside and outside of the academy are being used to transform the student experience and better insulate the pipeline.

**Educating the Next Generation of Data Scientists**
In grappling with the big data tide wave, one of the most important roles of colleges and universities will be to prepare the next generation of data scientists, which the Harvard Business Review has called “the sexy new job of the 21st century.” Already faculty have led the development of advanced analytical methods needed to use big data, transforming the way some teach and research. As the need for data scientists grows, colleges and universities should be at the forefront of training the workforce for these next generation careers.

*Building A Smarter University: Big Data, Innovation and Ingenuity* will take up this topic focusing on the opportunities and challenges of using big data to improve the academic enterprise. The book is intended to be thought provoking, analyzing some of the most pressing and complex issues about harnessing big data to build a smarter university, fostering innovation and ingenuity in the academy, and educating the next generation of data scientists. The authors, through their scholarly and practical insights, frame these issues for an international discussion.

**Jason E. Lane** is Associate Vice Chancellor for Academic Programs and Planning and Associate Provost for Graduate Education and Research at the State University of New York, Deputy Director of the Rockefeller Institute of Government, and Associate Professor of Educational Policy at the University at Albany, State University of New York.
Walking directions from the Conrad (A), 102 North End Avenue, to The New York Academy of Sciences (B), 7 World Trade, 250 Greenwich Street.

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