



Full Program Matrix

Washington Hilton, 1919 Connecticut Ave NW, Washington, DC 20009

Friday, October 19, 2018

8:00 - 8:30	Breakfast					
8:30 - 8:40	Welcome					
8:40 - 9:25	Opening Keynote					
	Speaker				Venue	
	Ginger Zhe Jin (Professor of Economics, University of Maryland and Chief Data Scientist, Hazel Analytics)			Lincoln East/Monroe		
9:25 - 10:00	Industry Insights Panel					
	Speakers				Venue	
	Shameet Luhar (CEO, Vheda Health)			Lincoln East/Monroe		
	Elizabeth Boudreau (AWS Executive Cloud Advisor, Amazon)					
	Moderator: Kenyon Crowley (Deputy Director, Center for Health Information & Decision Systems)					
10:00 - 10:15	Break					
10:15 - 11:00	Government Leader Keynote					
	Speaker				Venue	
	Jose Arrieta (Associate Deputy Assistant Secretary for Acquisition, U.S. Dept. of Health and Human Services)			Lincoln East/Monroe		
11:00 - 11:45	Blockchain Innovations Panel					
	Speakers				Venue	
	Sachikoo Kuwabara (Director of Deployment Risk Mitigation, Centers for Disease Control and Prevention)			Lincoln East/Monroe		
	Oki Mek (Emerging Technology Strategist, U.S. Dept. of Health and Human Services)					
	Prithvi Rao (Executive Architect, US Federal Health, IBM)					
	Moderator: David Nguyen (CEO, United Solutions)					
11:45 - 12:00	Break					
12:00 - 13:30	Clinical Leader Keynote and Lunch					
	Speakers				Venue	
	Brian Jacobs, MD (Vice President, Chief Medical Information Officer and Chief Information Officer, Children's National)			Lincoln East/Monroe		
13:30 - 14:50	1. Impact of Analytics Regular Session			2. Online Reviews Regular Session		
	Session Chair: Dori Cross, University of Minnesota	Authors	Venue	Session Chair: Heiko Gewald, Neu-Ulm University	Authors	Venue
	<i>The Effect of Predictive Analytics-Driven Interventions on Healthcare Utilization</i>	Guy David, Aaron Smith-McLallen, Benjamin Ukert	Lincoln East/Monroe	<i>Healthcare Quality, Technology Use, and Online Patient Perception</i>	Danish Saifee, Indranil Bardhan, Atanu Lahiri, Zhiqiang Zheng	Lincoln West
	<i>The Value of Personalized Medicine: Treatment Effect Heterogeneity One Year Beyond Left Ventricular Assist Device Implantation</i>	Jeff McCullough, Sriram Somanchi		<i>Many Platforms, One Voice: Exploring How eWOM Reflects Quality Through Online Ratings</i>	Anton Ivanov, Zhasmina Tacheva, Michael J. Shaw	
	<i>Workload, Predictive Accuracy, and the Value of Algorithm-Enabled Process Innovation: The Case of Sepsis</i>	Idris Adjerid, Mehmet Ayvaci, Ozalp Ozer		<i>What Determines The Patient Experience? Comparing Yelp Reviews of Urgent Care Centers and Emergency Rooms</i>	Kevin Mahoney, Eric Eisenstein, Susan Mudambi	
				<i>Digitizing Disclosure: The Case of Restaurant Hygiene Scores</i>	Weijia Daisy Dai, Michael Luca	
14:50 - 15:00	Break					
15:00 - 15:30	3. Measurement Research Panel			4. Online Communities Research Panel		
	Session Chair: Kartik Ganju, McGill University	Authors	Venue	Session Chair: Haijing Hao, University of Massachusetts	Authors	Venue
	<i>Harmful Controls: Avoiding Estimation Bias in Empirical Health IT Research</i>	M Zia Hydari, Narayan Ramasubbu, Edward Kennedy	Lincoln East/Monroe	<i>Is My Treatment Peer Approved: Impact of Online Health Community on Treatment Compliance for Chronic Patients</i>	Ermira Zifla, Sunil Wattal	Lincoln West
	<i>Is 60 the New 40? An Assessment of the Measures Cognitive Age vs. Chronological Age</i>	Maximilian Haug, Heiko Gewald		<i>Modeling Users' Continuous Participation: Evidence from Online Weight-Loss Communities</i>	Tongxin Zhou, Lu Yan, Yingfei Wang, Yong Tan	
15:30 - 16:00	5. Impact of HIT I Regular Session			6. HIT Outside the Clinic Regular Session (*15:30 - 16:50)		
	Session Chair: Changmi Jung, Johns Hopkins University	Authors	Venue	Session Chair: Wendy Duan, George Washington University	Authors	Venue
	<i>The Impact of Telehealth on Healthcare Resource Utilization</i>	Sezgin Ayabakan, Indranil Bardhan, Eric Zheng	Lincoln East/Monroe	<i>Does Telemedicine Reduce Emergency Department Congestion? Evidence from New York State</i>	Shujing Sun, Susan Feng Lu, Huaxia Rui	Lincoln West
	<i>The Complementarity of Health Information and Health IT for Reducing Opioid-Related Mortality and Morbidity</i>	Lucy Xiaolu Wang		<i>"Where to, Doc?" Electronic Health Record Systems and Patient Mobility</i>	Kartik Krishna Ganju, Hilal Atasoy, Paul A. Pavlou	
16:00 - 17:00	7. Impact of HIT II Regular Session			<i>Polypharmacy and Care Coordination Intensity among Working-age American Adults with Multiple Chronic Conditions</i>		
	Session Chair: Idris Adjerid, Virginia Polytechnic	Authors	Venue	<i>A Perfect Marriage: When Medicare Advantage Payers Team Up with Brick-and-Mortar Retailers</i>	Da Hae Jeong, Sang Pil Han, Sungho Park	
	<i>The Role of Decision Support Systems in Attenuating Racial Biases in Healthcare Delivery</i>	Kartik Krishna Ganju, Hilal Atasoy, Jeffrey McCullough	Lincoln East/Monroe			
	<i>Does Health IT Save Money and Lives? New Evidence from Vendor Heterogeneity and Product Innovation</i>	Jianjing Lin, Mary Olson				
	<i>The Maternity Conundrum: Can Information Technology Improve Intergenerational Health Outcomes of Mothers and of Babies?</i>	Min Chen, Monica Chiarini Tremblay, Rajiv Kohli				
17:00	Adjourn					
18:00 - 20:00	Networking Reception at Mission Restaurant					

Break (16:50-17:00)

Saturday, October 20, 2018

8:00 - 8:30	Breakfast									
8:30 - 9:50	8. Prediction Regular Session Session Chair: Vishal Ahuja, Southern Methodist University <i>Predicting Hospital Readmission Risk Using Trajectory-Based Deep Learning Approach</i> <i>How AI Plays its Tricks: Interpreting the Superior Performance of Deep Learning-Based Approach in Prediction</i> <i>How Do Machine Learning Algorithms Perform in Changing Environments? Evidence from Disaster Induced Hospital Closures</i> <i>Aiding the Prescriber: Personalized Risk Modeling for Chronic Opioid Use</i>			Authors Jiaheng Xie, Bin Zhang, Daniel Zeng Weiguang Wang, Margret Bjarnadottir, Guodong Gao Nathan Wilson, Devesh Raval, Ted Rosenbaum Margret Bjarnadottir, David Anderson, Al Nelson, Kenyon Crowley, Ritu Agarwal	Venue Lincoln East/Monroe	9. Information Sharing Regular Session Session Chair: Benjamin Ukert, University of Pennsylvania <i>Antecedents and Outcomes of Health Information Sharing: Role of EMR Configuration</i> <i>Empowering Patients Can Increase Digital Divide: The Effects of Patient Portals on Kidney Allocation</i> <i>The Importance of Use and Usage Patterns in Assessing Potential for Health Information Exchange to Improve Post-Acute Transitions of Care</i> <i>Air Matters: The Impact of Air Quality Information Disclosure through Web Portals on Public Health Conditions</i>			Authors Chenzhang Bao, Indranil Bardhan Yeongin Kim, Mehmet Ayvaci, Srinivasan Raghunathan, Bekir Tanriover Dori Cross, Julia Adler-Milstein, Jeff McCullough Sang Pil Han, Youngki Park, Ki-Kwang Lee, Hyun Cheol Kim	Venue Lincoln West
9:50 - 10:05	Break									
10:05 - 10:35	10. Deep Learning Research Roundtable Session Chair: Gordon Gao, University of Maryland <i>Discovering Medication Nonadherence Reasons with Sentiment-Enriched Deep Learning Approach</i> <i>Machine Learning and Deep Learning for Healthcare Decision Support : Multiple Imputation Improves Predictions - A Clinical Example of ICU Readmission</i> <i>Analysis and Prediction of Individual Acceptable States for Successful Invasive Ventilator Weaning in Intensive Care Units with Deep Learning Techniques</i>			Authors Jiaheng Xie, Xiao Liu, Daniel Zeng, Xiao Fang Ruo-Ting Sun, Yu-Wei Lin, Michael J. Shaw Yu-Wei Lin, Michael J. Shaw	Venue Lincoln East/Monroe	11. Security Research Panel Session Chair: Danish Saifee, University of Alabama <i>Does Sharing Make My Data More Insecure? An Empirical Study on Health Information Exchanges and Data Breaches</i> <i>Understanding the Relationship Between Data Breaches and Hospital Advertising Expenditure</i>			Authors Leting Zhang, Min-Seok Pang, Sunil Wattal Sung Choi	Venue Lincoln West
10:40 - 12:00	12. Big Data Regular Session Session Chair: Sean Barnes, University of Maryland <i>The Hidden Cost of Transitioning to a Paid Service: The Effect of Unexpected Revealing of New Patient Prospects on Physicians' Service Quality in Online Healthcare Communities</i> <i>Multi-Scale Graph Modeling and Analysis of Locomotion Dynamics Towards Sensor-based Dementia Assessment</i> <i>Automated Enforcement on the Road: Surveillance Technology and Traffic Safety</i> <i>Digital Multisided Platforms and Women's Health: An Empirical Analysis of Peer-To-Peer Lending and Abortion Rates</i>			Authors Seyoung Seol, Lu Yan, Jingjing Zhang, Hillol Bala, Lian Wang Changqing Cheng Aaron Zhi Cheng, Zhanyu Dong, Min-Seok Pang Gorkem Turgut Ozer, Brad N. Greenwood, Anand Gopal	Venue Lincoln East/Monroe	13. Gamification Regular Session Session Chair: Yang Lee, Northeastern University <i>Gamified Challenges in Online Weight-Loss Communities</i> <i>On Mobile Game Telemetry Analytics for Pediatric Obesity Management</i> <i>Should We Play a Game? An Empirical Investigation of Location-Based Mobile Gaming and Mental Health</i> <i>Effect of Gamification on Healthful Activity: The Case of Fitbit Leaderboards</i>			Authors Behnaz Bojd, Xiaolong Song, Yong Tan, Xiangbin Yan Yi-Chin Kato-Lin, Rema Padman, Sross Gupta, Palak Narang, Bhargav SriPrakash, Uttara Bharath-Kumar, Pradeep Krishnatray, Bhairavi Prakash, Sanjeeta Agnihotri, Vasini Varadan Aaron Zhi Cheng, Brad Greenwood, Paul A. Pavlou M Zia Hydari, Idris Adjerid, Aaron Striegel	Venue Lincoln West
12:00 - 12:15	Break									
12:15 - 14:00	Avi Goldfarb Keynote, Awards Lunch and Book Signing Speakers Avi Goldfarb (Ellison Professor of Marketing, Rotman School of Management, University of Toronto)						Venue Lincoln East/Monroe			
14:00 - 14:45	14. HIT, Analytics and Performance Research Roundtable Session Chair: Margret Bjarnadottir, University of Maryland <i>The Impact of Information Technology Capability on Hospital Performance</i> <i>A Framework of a Multi-Utility Driven Referral Decision Support System</i> <i>Continuity in Gatekeepers: Quantifying the Impact of Care Continuity</i> <i>Analytics and Artificial Intelligence Underlying Continuous Remote Care Workflows to Achieve Disease Status Improvement for Type 2 Diabetics</i> <i>An Observational Study of the Relationship Between Meaningful Use-Based Electronic Health Information Exchange, Interoperability, and Medication Reconciliation Capabilities</i>			Authors Pascal Nitiema, Chuan Tian, Radhika Santhanam Saeede Eftekhari, Niam Yaraghi, Ram Gopal, Ram Ramesh Vishal Ahuja Nasir Bhanpuri, Adam Maruf, Amy McKenzie, Catherine Metzgar, Brent Creighton, Amit Shah, James McCarter Gerald Elysee, Jeff Herrin, Leora Horwitz	Venue Lincoln East/Monroe	15. Care Patterns Research Roundtable Session Chair: Ruba Aljafari, University of Pittsburgh <i>Improve the Quality of Care After Discharge by Selecting a Referral Network of Skilled Nursing Facilities</i> <i>Physician Pairing and Patient Outcomes: An Empirical Investigation</i> <i>Examining the Impact of IT-Enabled Medicaid Health Homes on Reducing Healthcare Costs</i> <i>Caring and Coping: Adaptation, Use, and Resistance of Electronic Health Records Systems</i> <i>Mining Patient Care Pathways via Electronic Medical Records Audit Logs</i>			Authors Yunsi Yang, Fuqiang Zhang Zhe Deng, Sezgin Ayabakan, Subodha Kumar, Paul A. Pavlou Pamela Howell, Raj Sharman, Chet Fox Quang Neo Bui, Sean Hansen, Manlu Liu, John Tu He Zhang, Gaurav Jetley	Venue Lincoln West
14:45 - 15:00	Break									
15:00 - 15:30	16. HIT & Analytics Research Agenda Setting Speakers Ritu Agarwal (University of Maryland at College Park) Guodong (Gordon) Gao (University of Maryland at College Park) Jeff McCullough (University of Michigan)						Venue Lincoln East/Monroe			
15:30	Adjourn									