

The 2nd International Symposium on Infrastructure Asset Management (SIAM 2017)

Schedule Day 1: Thursday, June 29, 2017

ETH Zurich, Höggerberg, HCI H2.1

TIME	PRESENTER	PRESENTATION
08:30-09:00	Welcome coffee	
09:00-09:40	Bryan T. Adey*, ETH Zurich	A process to enable the automation of road asset management
09:45-10:30	Kiyoshi Kobayashi*, Kyoto University	Deterioration prediction of infrastructures with time series data considering long memory effect
10:30-10:45	Coffee break	
10:45-11:25	Samer Madanat*, New York University, Abu Dhabi	Economically and Environmentally Informed Policies for Pavement MR&R: Trade-offs between Costs and Greenhouse Gas Emissions
11:30-12:10	Clemens Kielhauser, ETH Zurich	A methodology to determine optimal intervention programs for multiple urban infrastructure networks with a consistent representation of service levels over multiple time steps
12:10-13:00	Lunch	
13:00-13:40	Jürgen Hackl, ETH Zurich	Multi-layer spatially embedded random network model for complex transportation networks
13:45-14:25	Craig Richmond, ETH Zurich	Approximating an analytic solution for the optimal design of asphalt pavement
14:30-15:10	Kazuya Aoki, Kyoto University	Development of a sustainable road asset database and management system
15:10-15:30	Coffee break	
15:30-16:10	Tatsuya Oga, Kyoto University	Bridge profiling with reference to heterogeneity in deterioration speeds
16:15-16:55	Jinwoo Lee, New York University Abu Dhabi	Optimal policies for electric vehicle public fast charging stations in an urban network for greenhouse gas emission and cost minimization
17:00-17:40	Adrian Ricardo Archilla, University of Hawaii at Manoa	Dynamic modulus model of hot mix asphalt: statistical analysis using joint estimation and mixed effects
19:00-23:00	Dinner at "Die Waid" Zurich	

*Key note lectures



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Schedule Day 2: Friday, June 30, 2017

ETH Zurich, Hönggerberg, HCI H2.1

TIME	PRESENTER	PRESENTATION
08:30-09:00	Welcome coffee	
09:00-09:40	Pablo Durango-Cohen*, Northwestern University	Leveraging analytics to monitor the performance of urban infrastructure
09:45-10:30	Sue McNeil*, University of Delaware	Infrastructure resilience: New objective, added constraint or new performance measure?
10:30-10:45	Coffee break	
10:45-11:25	Daijiro Mizutani, Osaka University	Evaluation of repair effect for reinforced concrete decks using mixed Markov hazard model
11:30-12:10	James Chu, National Taiwan University	Model formulation and comparison for network-level pavement maintenance strategies
12:10-13:00	Lunch	
13:00-13:40	Samuel Labi, Purdue University	Infrastructure deterioration modeling – The factor moment approach
13:45-14:25	Yohei Ninomiya, Osaka University	Life-cycle cost analysis of highway viaducts based on damage initiation and propagation model
14:30-15:10	Rabi Mishalani, Ohio State University	Updating bridge deck condition transition probabilities as new inspection data are collected
15:10-15:30	Coffee break	
15:30-16:10	Laura J. Steinberg, Syracuse University	Linking infrastructure asset management with smart city paradigm
16:15-16:55	Ivan Damnjanovic, Texas A&M University	Development and management implications of externalities in infrastructure systems
17:00-17:40	John Andrews, University of Nottingham	Railway asset management modelling framework
17:45-18:00	Wrap-up	

*Key note lectures