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WORKSHOP SCHEDULE

Download Workshop Abstracts

Tuesday July 21, 2020				
Start Time	End Time	Speaker	Affiliation	Presentation Title
10:00 AM	10:15 AM	Anil Agrawal	The City College of New York	Introduction of the workshop
10:15 AM	10:20 AM	Waider Wong	Federal Highway Administration	Introduction from FHWA
10:20 AM	10:30 AM	Brian Kozy	Federal Highway Administration	FHWA Perspective on Redundancy
Keynote Lecture by Dr. Dan Frangopol				
10:30 AM	11:10 AM	Dan Frangopol	Lehigh University	Towards Improving the Quantification of Redundancy Factor Modifiers in AASHTO LRFD Bridge Design Specifications
11:10 AM	11:30 AM	Ted Zoli	HNTB	Strategies to Enhance Redundancy in Long Span Bridges: A Designer's Perspective
11:30 AM	11:50 AM	Wagdy Wassef / Joseph Viola	WSP	Current Practices for Addressing Redundancy in the Design of Long Span Bridges
11:50 AM	12:10 PM	Hokyung Kim / Junho Song	Seoul National University	Analysis of Reliability-Redundancy Trade-off for Fire Resilience of Cable Bridges
12:10 PM	12:40 PM	Lunch Break		
12:40 PM	1:00 PM	Baidurya Bhattacharya	Indian Institute of Technology, Kharagpur	Comparison of redundancy frameworks for Bridges
1:00 PM	1:20 PM	Sherif El-Tawil	University of Michigan, Ann Arbor	Redundancy of long-span cable supported bridges
1:20 PM	1:40 PM	Sashi Kunnath	University of Californiam Davis	Structural Robustness in Buildings: State-of-the-Art
1:40 PM	2:00 PM	Joan Ramon Casas	Technical University of Catalonia-BarcelonaTech	Bridge Redundancy and Risk Mitigation: the European Approach
2:00 PM	2:20 PM	Darrel Gagnon	COWI North America Ltd.	Canadian Perspective on Addressing Redundancy in Long Span Bridges
2:20 PM	2:40 PM	Coffee Break		
2:40 PM	3:00 PM	Anil Agrawal	The City College of New York	ALP and Redundancy of long-span truss bridges
Postponed for July 28, 2020		David Stevens	Protection Engineering Consultants	Robustness, Hazards, and Risk Mitigation for Buildings, with Implications for Bridges
Postponed for July 28, 2020		Eric Williamson	University of Texas, Austin	Structural Redundancy: Lessons from Past Research and Opportunities for the Future
Postponed for July 28, 2020		Matthew H. Hebdon	Virginia Polytechnic Institute and State University	Recent Guide Specifications and Design Aids for Redundant Member Analysis
4:00	4:05	Anil Agrawal		Remarks
Tuesday July 28, 2020				
Start Time	End Time	Speaker	Affiliation	Presentation Title
10:00 AM	10:05 AM	Anil Agrawal	The City College of New York	Introduction to the Breakout Session Format
10:05 AM	10:25 AM	Matthew H. Hebdon	Virginia Polytechnic Institute and State University	Recent Guide Specifications and Design Aids for Redundant Member Analysis
10:25 AM	10:45 AM	Imai Kiyohiro	Honshi-Shikoku Bridge Expressway Co. Ltd.	Assessment of structural redundancy in Honshu Shikoku Bridges
10:45 AM	11:05 AM	Matt Chynoweth	Michigan Department of Transportation	Redundancy Perspective for Gordie Howe Bridge
11:05 AM	11:25 AM	Marwan Nader	T Y LIN	Design for Redundancy of Long Span Bridges in Multi-Hazard Environment
11:25 AM	11:45 AM	Coffee Break		
11:45 AM	12:05 PM	David Stevens	Protection Engineering Consultants	Robustness, Hazards, and Risk Mitigation for Buildings, with Implications for Bridges
12:05 PM	12:25 PM	Eric Williamson	University of Texas, Austin	Structural Redundancy: Lessons from Past Research and Opportunities for the Future
12:25 PM	12:45 PM	Jeff Robert	Maryland Department of Transportation	Outcome of AASHTO Breakout Session on Redundancy
12:45 PM	1:05 PM	Sherif El-Tawil	University of Michigan	Redundancy Aspects of the FIU Bridge Collapse
1:05 PM	1:25 PM	Bijan Khaleghi	Washington State Department of Transportation	State of Practice on Redundancy of Long Span Bridges and AASHTO Requirements
1:25 PM	1:30 PM	Anil Agrawal	The City College of New York	Closing Remarks
2:00 PM	2:10 PM	Breakout Session Assignment		
2:10 PM	3:40 PM	Breakout Session		

Discussion				
3:40 PM	3:50 PM	Anil Agrawal	The City College of New York	Closing Remarks for Breakout Sessions

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