

## PROGRAM

**SEMINAR: LEVERAGE IoT, COMMUNICATION, SOCIAL MEDIA AND DATA SCIENCE TO PROTECT CIVIL INFRASTRUCTURE AND SAVE LIVES**

**Hosted by: The Norwegian Consulate General, Houston**

DATE:	TIME:	PLACE:	LANGUAGE:	ADMISSION:
April 27, 2018	9:00 am – 1:00 pm	Norway House 3410 W Dallas Street Houston, Texas 77019	English	Free

8:30 – 9:00	REGISTRATION AND COFFEE
9:00 – 9:10	OPENING
	<b>WELCOME</b> Morten Paulsen, Norwegian Consul General  <b>OPENING REMARKS</b> Moderator, Jan E. Ødegaard, Executive Director, Ken Kennedy Institute, Rice University
<b>SESSION 1:</b>	
9:10 – 9:35	<b>TECHNOLOGY-SUPPORTED EMERGENCY MANAGEMENT: OPPORTUNITIES AND CHALLENGES</b> Bjørn Erik Munkvold, Director, CIEM, University of Agder
9:35 – 10:00	<b>RISK MANAGEMENT ADVISORY USING DATA ANALYTICS</b> Kathy Ensor, Professor Statistics, Director Urban Data Platform, Rice University
10:00 – 10:25	<b>DEVELOPING SMART BIG DATA PIPELINES TO ADDRESS CHALLENGES OF BRIDGE INFRASTRUCTURE HEALTH IN THE US</b> Deepak Khazanchi, University of Nebraska & Adjunct Professor CIEM, University of Agder
10:25 – 10:45	COFFEE BREAK

<b>10:45 – 11:05</b>	<b>PREPARING FOR BIGGER STORMS USING BIG DATA</b> Philip Bedient, Professor Civil and Environmental Engineering, Director Severe Storm Prediction, Education and Evacuation from Disasters Center, Rice University
<b>11:05 – 11:30</b>	<b>THE SECURITY IMPLICATIONS OF CLIMATE CHANGE: CHALLENGES FOR MARITIME SECURITY</b> Christian Webersik, Deputy Director, CIEM, University of Agder
<b>11:30 – 12:00</b>	<b>MULTI-PLATFORM HYPERSPECTRAL IMAGING FOR POST-DISASTER SITUATIONAL AWARENESS</b> David Alexander, Professor Physics & Astronomy Director, Rice Space Institute, Rice University <b>USING BIG DATA AND MACHINE LEARNING TO BUILD SPATIALLY FINE-GRAINED PREDICTION MODELS OF WIND AND FLOOD DAMAGE RISK</b> Devika Subramanian, Professor Computer Science, Rice University <b>OPTIMIZED RESOURCE ALLOCATION FOR EMERGENCY RESPONSE</b> Andrew Schaefer, Professor Computational and Applied Mathematics, Rice University
<b>12:00 – 12:10</b>	<b>SUMMARY AND CLOSING REMARKS</b> Moderator, Jan E. Ødegaard, Executive Director, Ken Kennedy Institute, Rice University
<b>12:10 – 1:00</b>	<b>NETWORKING LUNCH</b>

<b>PROGRAM COMMITTEE</b> Ann Marchioro, GCE NODE Bjørn Erik Munkvold, CIEM, University of Agder Jan Erik Ødegaard, Rice University	<a href="#">REGISTER HERE</a> Contact: Ann Marchioro Telephone: +47 90 02 18 13 Email: <a href="mailto:ann@gcenode.no">ann@gcenode.no</a>  <a href="http://www.nortexdatascience.org">www.nortexdatascience.org</a>
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