

# CSHM Workshop program

12 Feb. 2024

Session 1: SHM supported seismic resilient design of infrastructure		
Guests of honor ceremony Opening	Int. Keynote	Local experience presentation/papers
9:30-10:15	10:30-11:15	11:30-1:00
National Anthem Quran Kareem Welcome Speech of Chairman KSE Welcome Speech of Minister Welcome Speech by Local Committee Chair Welcome Speech President SCSHM MOU signing Award ceremony	SCSHM President, Prof. W. Leinhardt, Professor and Head of the Institute of Engineering Geodesy and Measurement Systems (IGMS) at Graz University of Technology, Austria  Title: Dynamic Measurements of Seismic Events and Vibration Monitoring of Structures with Distributed Fiber Optic Sensing	KISR experience in SHM  Dr. Shaikha AlSanad, Dr. Hasan Kamal, Eng. Jamal AlQazweeni, Dr. Jafarali Parol, Dr. Abdullah AlEnezy  Title: Ensuring Structural Integrity: Case Studies in Kuwait's Tall Buildings and Bridges - Insights from the Experts
	Chair: Dr. H. Kamal  Co-Chair: Eng. A. Mohseni	Chair: Dr. M. AlKhamees  Co-Chair: Prof. S. Nagarajaiah

Session 2: AI applications in SMH	
Int. keynote	Local experience
2:00-2:45	3:00-4:30
Prof. Satish Nagarajaiah Professor of Civil Eng., Professor of (Mechanical Eng. (&MSNE .Dept. of Civil & Env. Eng Dept. of Mech. Eng. & Dept. Mat. Sc. .Nano Eng Rice University  Title: AI, Machine Learning and Computer Vision Algorithms for Structural System Identification and Integrity Assessment: Physics-Guided Models and Data-Driven Discovery	Embedded Systems & Sensors Workshop  Presented by: KARS  Dr. Abbas Fairouz and DR. Abdullah AlShibany, Computer Engineering Department, Kuwait University  <a href="https://www.instagram.com/kars.kwt">https://www.instagram.com/kars.kwt</a>
Chair: Dr. M. Chaudhary  Co-Chair: Dr. Jafer Ali	Chair: Dr. M. AlFailikawi  Co-Chair: Dr. Waleed Eid

13 Feb. 2024

Session 3: Seismic code applications in low seismicity regions		
Int. keynote	Int. Keynote	Local experience presentation/papers
9:30-10:15	10:30-11:15	11:30-1:00
<p>Dionysius M. Siringoringo</p> <p>Associate Professor</p> <p>Safety and Resilience of Infrastructure and Infrastructure System, Institute of Advanced Sciences (IAS), Yokohama National University</p> <p>Title: Monitoring and Structural Assessment of Instrumented Cable-Stayed Bridges Using Recorded Seismic Responses</p>	<p>Dr. Piotr Omenzetter</p> <p>Civil Engineering Department</p> <p>University, of Aberdeen, UK</p> <p>Title: Quantification of SHM benefits and costs using the theory of value of information</p>	<p>Panel discussion: Seismic design code</p> <p>Union of Local Engineering offices, Kuwait Municipality, Gulf Consultants, Pace, Civil Engineering Department KU</p>
<p>Chair: Prof. Lienhart</p> <p>Co-Chair: Dr. Shaikha AISanad</p>	<p>Chair: Dr. M. Zaki</p> <p>Co-Chair: Eng. Abdullah AIAzmi</p>	<p>Moderator: Dr. Chaudhary</p>

Session 4: State of the art in SHM	
Presentation papers	
2:00-3:30	
Parallel sessions	
<p>Session 1: Chair: Dr. Dionysius M. Siringoringo</p> <p>Omenzetter</p> <p>Co-Chair: Abdullah AIMutairi</p> <p>Thamer AAlIYaqoub</p>	<p>Session 2: Chair: Dr. Piotr</p> <p>Co-Chair: Dr.</p>

14 Feb. 2024

Session 5: Case studies in SHM application		
Int. keynote	Local experience	SCSHM meeting
9:30-10:15	10:30-11:15	12:30-1:30
<p>Prof. M. Zaki</p> <p>Head of Bridge &amp; Structures Assessments Unit - Dar Al-handasah, MENA IAS/ICC Lead &amp; Technical Assessor of Testing Facilities, USA V. Head Elect of Arab Disaster Risk Reduction Center, League of Arab States, LAS</p> <p>Title: Bridge &amp; infrastructure assessments, testing &amp; monitoring theme efforts in Mena region</p>	<p>Dr. Waleed Abdullah</p> <p>Dr. Waleed Eid</p> <p>Civil En9:30-10:15gineering Department</p> <p>College of Engineering and Petroleum</p> <p>Kuwait University</p> <p>Title: Experience with SHM in Pavement Management Systems</p>	<p>Panel meeting SCSHM-KSE</p> <p>SCSHM local office inauguration</p> <p>Close out meeting</p> <p>SCSHM new offices at KSE headquarters</p>
<p>Chair: Prof. S. Nagarajaiah</p> <p>Co-Chair: Jafarali Parol</p>	<p>Chair: Dr. M. AlKhalidi</p> <p>Co-Chair: Eng. Abdullah AlAzmi</p>	<p>Moderators: Dr. Waleed Abdullah</p> <p>Dr. H. Kamal</p>
<p>Official Lunch by KSE</p>		