

Programme

1st International Symposium on Multi-Scale Experimental Mechanics

5 Oct 2016

08:30 - 09:00 **Coffee and rolls**

09:00 - 09:10 **Welcome by Vicedirector/Professor Henrik Stang**

09:10 - 09:50 **Invited lecture: Understanding the Materials – Manufacturing – Structural Performance Hierarchy for Composite Materials and Structures**

Professor D.S. Cairns, Montana, State University

09:50 - 10:05 **Fiber Bragg Grating: A promising technology for wind turbine blade strain detection**

Federico Belloni

10:05 - 10:20 **Modal and static response of small wind turbine blade**

Vladimir Fedorov

10:20 - 10:35 **Initiation of and challenges associated to full scale concrete bridge testing and related monitoring**

Philip Skov Halding

10:35 - 11:00 **Coffee Break**

11:00 - 11:15 **Scanning Laser Doppler Vibrometry**

Marie Brøns

11:15 - 11:30 **Sub-structural testing of a wind turbine blade section with localized X-stiffener reinforcements**

Maurizio Sala

11:30 - 11:45 **Low temperature testing of debonded PVC foam cored sandwich composites for naval vessels**

Arash Farshidi

11:45 - 12:00 **Sub-structural Testing of Large Composite structures – a Hybrid Simulation Approach**

Jacob Paamand Waldbjørn

12:00 - 12:15 **H-TRIS testing of foam cored sandwich panels for ship superstructures**

Vasileios Karatzas

12:15 - 12:30 **Determination of mechanical properties of glass-epoxy composites and sandwich structures at elevated temperatures**

Mohsen Rezaei

12:30 - 13:30 **Lunch**

13:30 - 14:10 **Invited Lecture: Multi-scale CT for Imaging and Testing of Composites**

Dr. Gregor Borstnar, University of Southampton

14:10 - 14:25	X-ray tomography in DTU Wind Energy Søren Fæster
14:25 - 14:40	Approach for investigations of progressive fatigue damage in 3D in fibre composites using X-ray tomography Lars Pilgaard Mikkelsen
14:40 - 14:55	Multi-scale testing of Fiber Reinforced Concrete under Corrosion Deterioration Victor Marcos Meson
14:55 - 15:20	Coffee Break
15:20 - 15:35	Single fibre tensile testing Justine Beauson
15:35 - 15:50	Mixed mode fracture testing of foam core sandwich using the DCB-UBM test method Christian Berggreen
15:50 - 16:05	Determination of face/core fracture toughness in aircraft honeycomb sandwich composites using the SCB test method Francesco Attanasio
16:05 - 16:15	Closure and Practical information Henrik Stang
16:25 - 17:30	Departure with bus to guided tour to Selected CASMaT facilitiet at Risø Campus
18:00 - 18:30	Departure with bus to restaurant 'Rådhuskælderen'
18:30 - 21:00	Dinner Raadhuskælderen, Fondens Bro 3, 4000 Roskilde
