



SEMINAR

APPLIED MATHEMATICS AND MECHANICS

ES931

2 March 2018

A DCAMM seminar No. 721 will be presented by

**Professor Alfredo Cigada
Politecnico di Milano, Italy**

The title of the lecture is

**Some present challenges in Structural Health Monitoring:
MEMS sensors and measurement systems**

Abstract:

During the last decades the advent and spread of MEMS sensors have created a revolution in the way some measurements are being carried out. Some basic aspects of measurements required a deep revision of the existing approaches, especially for dynamic testing. Attention has been redirected to new issues, including networks and of course the management of a big amount of data.

The talk will deal with the research carried out together with one of the world leading semiconductor companies to establish a protocol for the use of the new sensors inside new SHM applications: some examples will be provided.

DATE:	Thursday, 15 March 2018
TIME:	12:00 – 13:30 incl. questions
PLACE:	Meeting Room: Ellehammer (Ø28-600-3) located in the TEK building (building 42) SDU, University of Southern Denmark

Danish pastry, coffee and tea will be served 15 minutes before the seminar starts.

All interested persons are invited.

Niels Leergaard Pedersen

DANISH CENTER FOR APPLIED MATHEMATICS AND MECHANICS

• TECHNICAL UNIVERSITY OF DENMARK • AALBORG UNIVERSITY
• AARHUS UNIVERSITY • UNIVERSITY OF SOUTHERN DENMARK