



SEMINAR

APPLIED MATHEMATICS AND MECHANICS

FS960

31 October 2019

A DCAMM seminar No. 746 will be presented by

Senior Scientist, Dr. Andrea Bergamini
EMPA – Swiss Federal Laboratories for Materials Science and Technology
Dübendorf, Switzerland

The title of the lecture is

Metamaterials: Imitating Nature and beyond

Abstract:

From the point of view of a materials scientist, the present interest in phononic materials is a dream come true: We can easily test the lessons learned about the structure-properties relationship in materials without having to give too much thought about the thermodynamic and kinetic challenges that challenge 'classical' material synthesis. Moreover, in the spirit of the definition of atoms offered by Lapine and Tretyakov, we can introduce in our atoms and atomic links novel and unusual properties and functionalities that will help us synthesize useful phononic materials for engineering applications. This talk offers some examples, from a materials science perspective.

DATE:	Thursday, 14 November 2019
TIME:	14:00 – 14:45
PLACE:	414-061B DTU, Technical University of Denmark

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

All interested persons are invited.

Niels Leergaard Pedersen

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