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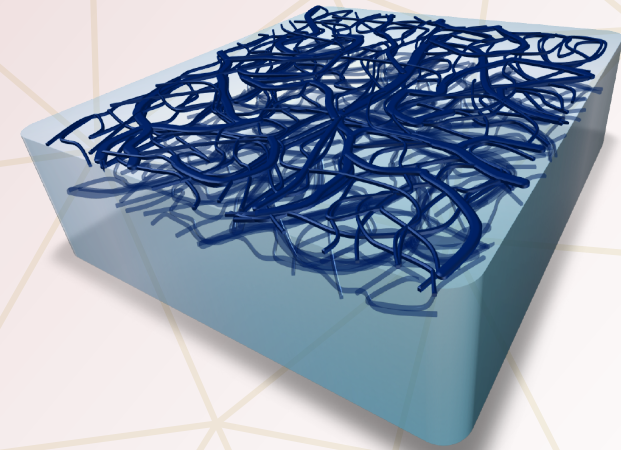
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LOCATION

The symposium will take place in Building 101, Lyngby Campus, Copenhagen (Lyngby), Denmark. For further information please visit the symposium website www.conferencemanager.dk/mcacm/

International Symposium

Multiscale Computational Analysis of Complex Materials



29–31 August 2017
Copenhagen (Lyngby), Denmark

www.conferencemanager.dk/mcacm/

Multiscale Computational Analysis of Complex Materials

Copenhagen (Lyngby), Denmark
29–31 August 2017

Registration Form

Family Name:

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I would like to register as ...

... invited presenter

... regular presenter

... student participant

My talk is entitled:

.....

.....

Please respond before March 30, 2017
to make use of early registration fees

Registration by email is preferred:
lemi@dtu.dk

CONFIRMED INVITED SPEAKERS

Jose E. Andrade (Caltech)

Ronaldo I. Borja (Stanford University)

Jiun-Shyan (JS) Chen (UC San Diego)

William Curtin (EPFL)

Jacob Fish (Columbia University)

Somnath Ghosh (Johns Hopkins University)

Ellen Kuhl (Stanford University)

Lars P. Mikkelsen (TU Denmark)

Stefanie Reese (RWTH Aachen)

Siegfried Schmauder (Universität Stuttgart)

Jörg Schröder (Universität Duisburg-Essen)

Bent F. Sørensen (TU Denmark)

Mads P. Sørensen (TU Denmark)

Kurt Stokbro (QuantumWise A/S)

Patrizia Trovalusci (University of Rome)

Grethe Winter (TU Denmark)

TENTATIVE TIMETABLE

August 29 Lectures, evening welcome reception

August 30 Lectures, evening conference dinner

August 31 Lectures (until noon)

The regular lectures will be 20 minutes including 3 minutes for discussion. For invited presentations 30 minutes will be reserved.

ABSTRACTS & REGISTRATION

Abstracts (150-200 words, in MS Word format) should be submitted before March 30, 2017 to lemi@dtu.dk.

The conference fee of €300 (before May 1, 2017), €400 (after May 1, 2017), and €450 (after June 1, 2017), covers access to all sessions, reception, banquet, break refreshments, a conference program, and a booklet of abstracts. Payment can be made electronically via the symposium website.

OBJECTIVES

Complex materials play an essential role in many applications, ranging from turbine blades, car chassis, computer and cell phone cases, battery systems, stretchable and wearable electronics, biomedical applications, to reconsolidated salt for nuclear waste disposal. Those materials often operate and must maintain their high performance in harsh environments. The advancement of computational methods at multiple scales opens new possibilities for the design of such complex materials and the optimization of their intrinsic properties under extreme events. The bridging of different length (from *nm* to *km*) and time scales though still represents an area of active research with many unresolved challenges.

This Symposium will bring together experts in the areas of multiscale computational modeling of complex, hierarchical, as well as micro and nanostructured materials. The symposium is organized in the framework of the Stanford-Columbia-DTU project “*Multiscale multiphysics computational mechanics of advanced materials*” supported by the Danish Agency for Science, Technology and Innovation.

Symposium Topics include but are not limited to

- Multiscale modeling of materials
- Multiphysics modeling of materials
- Computational materials science
- Micromechanics of materials
- Scale bridging and homogenization
- Materials under extreme environments
- Hierarchical materials
- Nanomaterials
- Biological and natural materials
- Geomaterials
- Single and polycrystalline materials