

Venue

The conference will be held on the campus of the Université Libre de Bruxelles (ULB) that is easily accessible, from downtown Brussels. The Brussels international airport is within 20 minutes from the city centre by train.

The campus area hosts many restaurants whereas hotels require a short travel using public transportation. The conference website will provide block reservations in nearby hotels until June 30, 2016.

Important dates

Registration opens	Dec. 1, 2015
Abstract submission	until March 30, 2016
Early registration	until May 15, 2016
Conference	Sept. 7-9, 2016

Conference fee

	Early registration	Late registration
Student	350 €	450 €
Regular	450 €	550 €

Contact

Please check conference website or contact us by email: emmc15@uclouvain.be

www.emmc15.be

Jointly organized by the Université Libre de Bruxelles (ULB) and the Université catholique de Louvain (UCL).



Brussels,
Sept. 7-9, 2016

15th European Mechanics of Materials Conference

www.emmc15.be



Scientific objectives

The 15th edition of the European Mechanics of Materials Conference (EMMC15) is organized under the auspices of the European Mechanics Society (Euromech). The conference will gather researchers who have a common interest in the mechanics of materials but possibly have different backgrounds (mechanical or civil engineering, physics, chemistry etc.). Hence contributions can include experimental investigations, theoretical models and advanced computational methods aiming at an improved understanding of materials mechanics at various length scales.

EMMC scientific committee

- A. Bertram, University of Magdeburg
- W.A. Curtin, EPFL Lausanne
- L. Delannay, UCLouvain
- S. Forest, Mines Paris Tech, Paris
- M. Geers, TU Eindhoven (Chairman)
- J. LLorca, IMDEA Madrid
- A. Pandolfi, Politecnico di Milano
- K. Runesson, Chalmers University of Technology
- P. Steinmann, University of Erlangen-Nuremberg
- B. Svendsen, RWTH Aachen University

Local organizing committee

- L. Delannay, UCLouvain (Chairman)
- M-P. Delplancke, ULB
- I. Doghri, UCLouvain
- S. Godet, ULB
- T.J. Massart, ULB (Vice-Chairman)
- T. Pardoen, UCLouvain



photo: Ville de Bruxelles - Eric Danhier

List of sessions

- Mechanics of polymers and metallic glasses – Experiments and models
R. Estevez and J.A.W. van Dommelen
- Mechanics of composites – Experiments and models
C. Gonzalez and S. Pimenta
- Mechanics of metals – Experiments and models from nano to micro
W.A. Curtin and E. Lilleoden
- Ductile damage and fracture
J. Faleskog and T. Pardoen
- Fatigue, reliability and lifetime predictions
S. Schmauder
- Failure of quasi-brittle materials
C. Comi and L.J. Sluys
- Functional and architected materials (incl. additively manufactured materials)
A. Menzel

Coupled mechanics and biomaterials

C. Hellmich and G. Holzapfel

Mechanics of interfaces and evolving microstructures (incl. phase transformation and recrystallization)

R. Logé and P. Trovalusci

Contact, friction and mechanics of discrete systems (incl. tribology, scratch, indentation, adhesion and granular flows)

S. Luding

Experimental mechanics (incl. advanced full-field deformation measurements and parameter identification)

M. Ekh and J. Hoefnagels

Experimental and theoretical aspects of the mechanics of highly porous materials

E. Maire and P. Onck

Higher-order continua

S. Bargmann and S. Forest

Scale bridging

V. Kouznetsova and B. Svendsen

Stochastics in materials mechanics

R. Cottureau and F. Willot

Phase field approaches

B. Appolaire and R. Müller

Mechanics of Materials in Aeronautics (E-Caero 2)

U. Galvanetto and P. Diez

Plenary lecturers

- P. Gumbsch (Fraunhofer-IWM Freiburg)
- G. Dehm (MPIE Düsseldorf)
- R. Peerlings (TU Eindhoven)