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Important Dates

Abstract due: 15 January 2019
Notification: 31 January 2019
Paper due: 15 March 2019
Early registration: 31 March 2019
Final submission: 15 May 2019

Abstract

Abstracts (1 page, 1.5-spaced) are invited in e-form (as a docx file) before 15 January 2019, to be submitted at http://moamrg.co.uk/ICS3M2019. They should contain the title of the presentation, full names and addresses of the authors, objectives of the study, employed methods, and the most significant results. Copies of abstracts of all the accepted papers will be available in booklet form on the first day of the Conference.

Local Organising Committee

Dr Konstantinos Baxevanakis
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http://moamrg.co.uk/ICS3M2019

London, UK
15-17 July 2019
Aim and Scope

The International Conference on Stents is organised by Technical Committee 14 “Integrity of Biomedical and Biological Materials” of the European Structural Integrity Society (ESIS).

The aim of this Conference is to bring together specialists in biomedical engineering, biomechanics, materials science, experimental mechanics, modelling and various aspects of processing and manufacturing as well as medical practitioners to discuss advances in stent technologies.

The topics of the Conference include, but are not limited to, the following:
- Metallic and polymeric materials for stents;
- Mechanical properties of stents;
- Development of biodegradable stents;
- Modelling and simulations of stent deformation;
- Stent design;
- Stent manufacturing;
- Stent failure and fracture;
- In-vitro and in-vivo studies;
- Biocompatibility of stents;
- Stent-vessel interaction;
- Fluid-solid interaction;
- In-stent restenosis;
- Biological and clinical issues related to stents;
- Stent deployment and delivery;
- Medical-imaging-based assessment.

Special Session “Design, Manufacturing and Evaluation of Shape-Memory-Alloy Stents”

The session will cover a range of specific topics directly related to the EPSRC project: “Smart Peripheral Stents for the Lower Extremity - Design, Manufacturing and Evaluation”

Its topics include, but are not limited to:
- Lesion-specific design;
- Additive manufacturing;
- Biomechanical testing;
- Modelling of self-expansion;
- Biocompatibility study;
- In-vitro study of haemodynamics;
- In-vivo evaluation;
- Modelling of deployment;
- Microscopic characterization;
- Deformations due to severe twisting and bending.

Venue

The Conference will be held at Loughborough University London. Its campus is located inside Here East, an inspiring innovation hub on the Queen Elizabeth Olympic Park. The campus can be easily reached by underground and bus.

London provides many flights to destinations worldwide, with all its airports linked to a vast network of public transport.

Additional information on the location can be found on the web page http://www.lborolondon.ac.uk/about/location/find-us/

Publications

The peer-reviewed papers presented at this Conference will be published in a Special Issue of the Open Access Procedia Structural Integrity, published by the Elsevier.

Registration Fee

All participants of the Conference are required to register and to pay the registration fee. The details of the registration and payment will be included into our Second Announcement.

Early Registration Fee (paid before 30 April 2019):

- Regular participants: GBP 460.00
- ESIS members: GBP 430.00
- Students: GBP 230.00
- Accompanying persons: GBP 120.00

The Registration Fee covers admission to sessions, coffee breaks, lunches, social programme (Student Fee does not cover the Conference Dinner) and preprints of the abstracts.

http://moamrg.co.uk/ICS3M2019/registration

Secretariat

Mrs M.V. Tourichtcheva
Wolfson School of Mechanical, Electrical and Manufacturing Engineering
Loughborough University
Ashby Road, Loughborough, Leics., LE11 3TU, UK
Phone: +44 1509 227504
Fax: +44 1509 227502
E-mail: M.Tourichtcheva@lboro.ac.uk