

GENERAL INFORMATION

The conference aims to bring academic, clinical and industrial researchers, scientist and practitioners together and provide a platform for exchange of ideas and the recent developments in orthopaedic research, biomechanics, surgery and devices. The conference, different than many similar ones, which will include not only scientific research but provide hand-on practical sessions as well as industrial demonstrations.

Who should attend: The conference will be of interest to people from both the public health-care and industrial sectors including orthopaedic surgeons, consultants and trainees, marketing staff, physiotherapists and bioengineers and academic and industrial researchers in bioengineering and orthopaedics.

Venue: International Conference on Orthopaedic Surgery Biomechanics and Clinical Applications will take place at Brunel University, West London, Uxbridge, UB8 3PH, UK.

Map: <http://www.brunel.ac.uk/about/wwhere>

Accommodation: Please contact Brunel Conference Services. Accommodation is **not** included in the conference fee

E-mail: conference@brunel.ac.uk,

E-mail: charmaine.grimes@brunel.ac.uk

Tel: +44 (0) 1895 238353

Tel: + 44 (0)1895 265159

Fax: + 44 (0)1895 269745

Web: www.brunelconferenceservices.co.uk/

For accommodations in Uxbridge area, find the list at:

<http://www.brunel.ac.uk/news/events/graduation/accommodation>

Travel and Visa: The Heathrow airport is approximately 15 min from the Brunel University campus by car or taxi. The U3 bus leaves from the Heathrow bus station and has bus stop at the main entrance of Brunel University. For more information please see the Brunel University map. Visa for entering the UK is needed for participants from non European countries. Visa arrangement is the participant's responsibility. For official invitation letter please contact the course coordinator.

Insurance: All delegates, participants, company representatives are responsible for their own insurance as the conference organising committee cannot be held liable for any loss, damage and accident during their journey and the conference.

CME: The conference is expected to merit CME points. This will be arranged before the conference start date.

Awards: 3 Best paper awards (each £250) and 3 best poster awards (each £150) will be announced during the Award Dinner on the 8th of June, Tuesday.

Sponsoring and Exhibition: Companies interested in sponsoring the conference and/or exhibiting their products should contact the organisers. There will be workshop and product demonstration sessions allocated for sponsoring and exhibiting companies.

REGISTRATION FORM – Participants

COMPLETE THE FORM IN BLOCK CAPITALS / PLEASE TICK APPROPRIATELY

Conference Fees	Before 1st Feb	After 1st Feb
Standard three days	£250	£300
Trainees/students three days	£200	£250
Standard one day	£120	£140
Trainees/students one day	£100	£120

Attending Dates (consider appropriate fees as above)			
<input type="checkbox"/> Reception	<input type="checkbox"/> Day 1	<input type="checkbox"/> Day 2	<input type="checkbox"/> Day 3
Amount for registration	£		

Lunch ticket (£5/day)	<input type="checkbox"/> Day 1	<input type="checkbox"/> Day 2	<input type="checkbox"/> Day 3
Entertainment and Dinner and ticket (£20)	<input type="checkbox"/> Day 1		
Attending award Dinner (£20)		<input type="checkbox"/> Day 2	
Amount for lunch, dinner and entertainment	£		

Title:..... First Name(s):.....Surname:.....

Company/Institution:

Mailing Address:.....

Email Address:

Tel:.....

Car Parking Permit Car Reg:.....and Type:			
<input type="checkbox"/> Reception	<input type="checkbox"/> Day 1	<input type="checkbox"/> Day 2	<input type="checkbox"/> Day 3

I wish to submit and present paper(s) and poster(s)

For the paper submission please visit <http://www.brunel.ac.uk/about/acad/sed/conf>

Payment

Cheque Credit Card TOTAL AMOUNT £.....

I enclose a cheque/credit card made payable to **BRUNEL UNIVERSITY**.

I authorise you to debit my credit/debit card with the **total amount**.

Type of Card:.....Name as on the card:.....

Card Number: _____

Valid from Date:..... Expiry Date:.....

Issue Number if Switch/Solo:..... Security number if Switch/Solo:.....

Signature:.....

Billing address of cardholder:.....

Please fill and send this form to the conference coordinator:

Dr. Neriman Ozada, Brunel University, Mechanical Engineering,

Howell Building 309b, Uxbridge, UB8 3PH, UK Email: neriman.ozada@brunel.ac.uk

Tel: +44 (0)1895 267200 Tel: +44 (0)7838 027383 Fax: +44(0)1895 256392

Cancellation Charges: Cancellations received on or before 16th December 2009 will be refunded. No fees can be refunded for cancellation received after this date. (American Express and Diners Club unfortunately CANNOT be accepted. For cheques in currencies other than £ sterling please add the equivalent of £15 for bank charges). **Web:** <http://www.brunel.ac.uk/about/acad/sed/conf>

SCHOOL OF ENGINEERING AND DESIGN

Orthopaedic Research and Learning Centre

CALL FOR PAPERS AND REGISTRATION

International Conference on Orthopaedic Surgery, Biomechanics and Clinical Applications

6 – 9th June 2010

Conference Chairs:

Prof. Ofer Levy Brunel University, UK
Mr. Stephen Copeland Reading Shoulder Unit, UK
Prof. Ibrahim Esat Brunel University, UK



Brunel
UNIVERSITY
WEST LONDON

International Faculty of Experts

SCIENTIFIC PROGRAM – TRACKS AND TOPICS

BIOMECHANICS

JOINT AND MUSCULOSKELETAL SYSTEM BIOMECHANICS

Normal, prosthetic and abnormal joint biomechanics
Kinematics of normal, prosthetic and abnormal joints
Dynamics of normal, prosthetic and abnormal joints
Ergonomics
Shoulder, Elbow, Wrist, Finger, Hip, Knee, Foot and Ankle,
Spine

SPORT AND INJURY BIOMECHANICS

Sport biomechanics
Exercise, training and performance
Analysis of sport activities
Gait analysis
Upper limb sport activities and injuries
Lower limb sport activities and injuries
Whiplash and spinal injuries
Modelling and analysis of musculoskeletal injuries
Impact Injury
Ski Injuries
Sport technologies and designs

IMPORTANT DATES

Abstract submission by	1th February 2010
Notification of abstract acceptance by	15th February 2010
Paper submission by	20th March 2010
Notification of paper acceptance by	25th April 2010
Electronic poster submission by	25th April 2010
Full paper submission	10th May 2010

For abstract, paper and poster templates please visit
<http://www.brunel.ac.uk/about/acad/sed/conf>

SCIENTIFIC PROGRAM – TRACKS AND TOPICS

SURGERY

COMPUTER ASSISTED SURGERY

Haptics in surgical applications
Robotic surgery and haptics
Surgical navigation
Biorobotics and humanoid robots
Robot navigation and path planning
Micro robots in medicine
Sensor guidance in robotics
Virtual reality and simulation
Computational modelling

ORTHOPAEDIC SURGERY AND CLINICAL APPLICATIONS

Minimally invasive orthopaedic surgery
Arthroplasty
Resurfacing Arthroplasty
Revision Arthroplasty
Total and Hemiarthroplasty joint replacement
Reverse joint replacement
New orthopaedic surgery developments
Arthroscopic surgery
Diagnostic Arthroscopy
Tissue engineering in surgery
Intervertebral Disk replacement
Imaging and diagnostic & surgery planning

WORKSHOPS, DEMONSTRATIONS AND SPECIALITY COURSES

FRCS (Orth & Trauma) biomechanics review
Musculoskeletal Joint Modeller (MJM) software
demonstration for computational human joint
modeling and virtual implant testing
Orthopaedic Biomechanics
Arthroplasty

SCIENTIFIC PROGRAM – TRACKS AND TOPICS

BIOMATERIALS, DEVICES AND IMPLANTS

ORTHOPAEDIC IMPLANTS, DEVICES AND INSTRUMENTATIONS

Computational and image based assessment and
diagnostic of joints
Design and modelling of Implants
Constraint and semi constraint implants
Trauma Implants
Implant material modelling
Implant contact modelling (i.e. metal on metal)
Rehabilitation devices & techniques
Diagnostic devices
Surgical devices
Imaging

BIOMATERIALS & BIOLOGIC MATERIALS

Smart biomaterials
Tribology of artificial joints/Implants
Implant materials and biomaterials
Metallic materials
Titanium
Ceramics
Cobalt Chrome
Polymers
UHMWPE
Cements
Composites
Implant coating and biocompatibility

TISSUE BIOMECHANICS AND MODELLING

Musculoskeletal tissue biomechanics and modelling
Bone
Cartilage
Muscle
Tendon
Ligament
Meniscus
Intervertebral Disk
Musculoskeletal tissue related diseases
Articular cartilage and Osteoarthritis
Mechanobiology