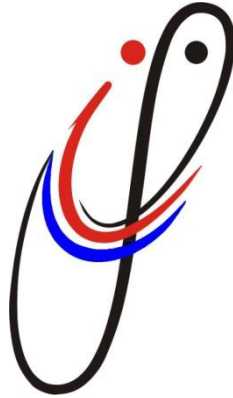


IIMM 2010



International Conference on
**Interfaces & Interphases in Multicomponent
Materials**

(A Merged Meeting of ICCI and IPCM)

1st - 3rd September 2010

The Ridge

University of Sheffield

Sheffield

UK

www.polymercentre.org.uk/iimm

Chairman

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Background, goals, scope

Interfaces form spontaneously in all heterogeneous systems. The importance of interfacial adhesion and interphasal properties is shown by the numerous attempts to modify them. Advanced composites cannot be manufactured with good performance without optimum adhesion and appropriate interphases. In the past the importance of interfaces and interphases brought to life two conferences on composites interfaces, ICCI and IPCM, which offered a forum for scientists in the field to meet and discuss their problems.

IIMM is now the merged meeting for the scientific community with interests in interfaces and interphases in heterogeneous materials such as composites and polymer blends. However, the interests of scientists and engineers has broadened to embrace advanced composites as well as other heterogeneous system such as nanocomposites from carbon nanotubes, nanofibres, and graphene as well nanoclays and other inorganic acicular and particulate modifiers. Also the interaction between microcapsules, used to introduce autonomic self healing of matrices. Furthermore within the life-science interface, biomaterials and natural fiber reinforced composites are being introduced to meet medical and environmental concerns. The Scientific Committee welcomes suggestions from the community to ensure that IIMM meets the needs of interdisciplinary scientists and engineers .The conference will have plenary sessions of generic interest as well as more specialist workshops in 2 parallel sessions.

Scientific presentations and discussions are focused on the theory and practice of interfaces and interphases in the following areas:

- * *Synthetic and natural fibre/filler based composites*
- * *Fibre reinforced polymer composites*
- * *Metal and ceramic matrix composites*
- * *Processing of interfaces and interphases in multicomponent materials*
- * *Nanocomposites and other nanostructured functional materials*
- * *surface treatments for carbon nanotube nanofibres and graphene modifiers*
- * *Interfaces in polymer blends and other multicomponent, multiphase materials*
- * *Interfaces in self healing coatings and composites*
- * *Interfaces/interphases in biomedical materials and tissue engineering*
- * *Theoretical modelling of interfaces and interphases*
- * *New characterization techniques*

International Steering Committee of the IIMM Conference

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Plueddemann Award

The Edwin P. Plueddemann Award for Excellence in Composite Interface Research was created by the sponsorship of Dow Corning Corporation in honour of late Dr. Plueddemann's great achievement in silane coupling agent development and understanding the reinforcement mechanisms in composite materials. He developed the majority of commercially used silanes. This award was originally given during the International Conference on Composite Interfaces (ICCI) and now the new unified conference, International conference of Interfaces and Interphases in Multicomponent Materials. The award is given to those who contributed significantly the understanding composite interfaces and carries the honorarium of \$2,000.

The previous recipients of the Award are: Prof.W.J. van Ooi (Uni.of Cincinnati), Prof.Anthony T. DiBenedetto (Univ. of Connecticut), Prof. Hatsuo Ishida (Case Western Reserve Uni.) and Dr Voytek Gutowski (CSIRO), Prof. Bela Pukansky (Budapest Univ), Prof. Frank R. Jones (University of Sheffield), Dr.N.Ishima.

Every member of the community is invited to nominate a colleague, who deserved nomination by his achievements and contribution to the better understanding of interfaces and interphases in Multicomponent Materials. Nomination must be done in writing and the letter of nomination should be accompanied by the full resume of the nominee. We need the maximum possible nominations in order to be able to select the most appropriate person. Please send your nomination to:-

Prof F. R.Jones,
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Organisation Committee

University of Sheffield
Miss S.Cowley (conference secretariat)
Dr A.Hodzic
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Confirmed Plenary Speakers

Lawrence Drzal, Michigan, USA

Daniel Wagner, Weizman, Israel

Hiroyuki Hamada, Kyoto, Japan

Plueddemann award Lecturer

Confirmed Keynote Speakers

Ton Pejis (QMW, UK)

Robert Lomax (Baxenden Chemicals, UK)

Stephen Eichorn (Manchester, UK)

David Porter (Oxford, UK)

James Thomason (Strathclyde, UK)

CALL FOR PAPERS - CONDITIONS & DEADLINES

The Conference will be based on invited lectures, oral presentations, and posters.

Oral presentations and posters could be proposed by submitting abstract

***Submission of abstracts (1 page long on-line)**

May 10th 2010

***Acceptance of the abstracts**

May 31st 2010

***Reception of the extended abstracts (4 pages long)**

July 1st 2010

ON-LINE REGISTRATION & SUBMISSION OF ABSTRACTS

Registration and abstract submission need to be done on-line on the Web site of the Conference

www.polymercentre.org.uk/iimm

Registration fees

Early bird registration fee:

£420 (without VAT) before 31st July 2010

£300 (without VAT) for students

Late registration fee:

£500 (without VAT) after 31st July 2010

£350 (without VAT) after 31st July 2010

The fees include the lunches, coffee breaks, Conference Dinner on the 2nd September, CD collection of the extended abstracts and 3 nights accommodation.

Payments should preferably be made on line (see web site for details) or alternatively by bank transfer

Additional information can be obtained from

IIMM'10 Conference Secretariat

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