CALL FOR PAPERS:
4th International Conference on Diffusion in Solids and Liquids
www.dsl2008-barcelona.com
contact@ironix-conferences.com

GENERAL INFORMATION:

Location
Barcelona, Spain
Venue: Hotel Meliá Barcelona (5*)
Dates
9-11 July 2008
Language
English is the official conference language
Accommodation
see Web page www.dsl2008-barcelona.com

Contact:
info@ironix-conferences.com
contact@dsl2008-barcelona.com

Barcelona, SPAIN
9-11 July, 2008

Miró's works are mostly in the Joan Miró Foundation in Barcelona
Dear Colleagues,

It is our great pleasure to invite you to participate in the 4th International Conference on Diffusion in Solids and Liquids, DSL-2008, which will be held in the exciting city of Barcelona, Spain, from 9-11 July, 2008.

DSL-2008 will offer a high quality scientific programme with an exciting programme of invited speaker lectures featuring some of the world’s leading experts in the field.

Submitted abstracts will be selected for oral presentation, poster session or special sessions.

Barcelona is well known for its creativity, vivacity and Mediterranean style! The city is one of the most exciting in the world and for sure Barcelona will attract many participants. The city offers many opportunities for sight-seeing, with architectural wonders, beautiful parks and inspirational museums and beaches. The organisers are preparing the DSL2008 to be an unforgettable event for you...and full of surprises!

We hope that you will be able to join us for what promises to be an exciting meeting, both scientifically and culturally, and we look forward to seeing you in Barcelona!

Andreas Oechsner

DSL2008 Honorary Chairman
Professor Hideo NAKAJIMA
Osaka University, Japan

DSL2008- Chairmen:
Prof. Dr.-Ing. Andreas Oechsner
Technical University of Malaysia – MALAYSIA

Prof. Dr. Graeme Murch
The University of Newcastle - AUSTRALIA

Prof. Dr. Ali Shokuhfar
K.N. Toosi University of Technology - IRAN
Hotel Meliá Barcelona ****

**HOTEL VENUE**

*Special Rates for DSL-2008 Participants!*

The Meliá Barcelona hotel is located in the financial and commercial heart of the city, alongside the most fashionable city sights and attractions. The new Meliá Barcelona features elegant new rooms, highly personalised service, excellent cuisine, the most relaxing Spa...

Easy access in only around 20 minutes to Barcelona international airport.

ABSTRACT SUBMISSION:

We would like to encourage you to submit your abstract(s) till deadline. Two accepted abstracts (one oral and one poster or two posters) per FULL REGISTRATION. One accepted Abstract per Student (Student Registration).

Please complete one single A4 page. You may include one diagram and references. A book of abstracts (CD format) will be distributed during the conference! Submission of abstract can be done on-line: www.dsl2008-barcelona.com or by e-mail: contact@ironix-conferences.com

Abstract Submission Deadline | 25 March, 2008

ORAL contributions:
People from academia and those from industry or those doing industrial work will be given the opportunity to give short 20 minutes presentations on their most recent work.

POSTERS:
There will be a Special Poster Session on day 9 (see preliminary Programme)
Special Session (1):

“HEAT AND MASS TRANSFER IN POROUS MEDIA”

Organised by:

Prof. Dr. Joao Delgado
University of Porto, PORTUGAL
jdelgado@fe.up.pt

Selected papers will be published in
JOURNAL OF POROUS MEDIA
(Impact Factor 2006: 0.493)
or
CHEMICAL ENGINEERING RESEARCH & DESIGN
(Impact Factor 2006: 0.747), during 2009

Please, send your Abstract(s) direct to the organiser of this Special Session

Magic Fountain (Barcelona)
The coloured lights playing through the water seem to make it dance to the rhythm of the music which accompanies the show; the shapes and colours change constantly, and the entrancing effect tends to be very popular amongst children.

The fountain stands in the middle of the Spain Square.
"THERMODYNAMICS, KINETICS AND STRUCTURE OF INTERFACES AND ASSOCIATED PHENOMENA"

Organised by:

Prof. Dr. B. Bokstein  
Moscow Institute of Steel and Alloys, RUSSIA  
bokst@misis.ru

Prof. Dr. V. Popov  
Institute of Metal Physics, Russian Academy of Sciences, RUSSIA  
vpopov@imp.uran.ru

Please, send your Abstract(s) direct to the organisers of this Special Session

Papers submitted to DSL-2008 and accepted after review process will be published in the periodical "DEFECT AND DIFFUSION FORUM" (Special Issue) by Trans Tech. Publications:  
www.ttp.net/1012-0386.html

Agbar Tower  
by architect Jean Nouvel
"HEAT TRANSFER IN CELLULAR AND COMPOSITE MATERIALS: GAS AND FLUID FLOW, CONDUCTION AND RADIATION"

Organised by:
Prof. Dr. A. Öchsner
Technical University of Malaysia, MALAYSIA
andreas.oechsner@gmail.com

Dr. Eusebio Solórzano
University of Valladolid, SPAIN
esolo@fmc.uva.es

Selected papers will be published in a special issue or topic of ADVANCED ENGINEERING MATERIALS, during 2009.

Please, send your Abstract(s) direct to the organiser of this Special Session

Gothic Quarter
The world famous “Barri Gòtic”, Barcelona's oldest area.
Formal title is Temple Expiatori de la Sagrada Família. The most ambitious work of Barcelona’s favourite son, Antoni Gaudí, the magnificent spires of the unfinished cathedral imprint themselves boldly against the sky with swelling outlines inspired by the holy Montserrat.

The spires are encrusted with a tangle of sculptures that seem to breathe life into the stone. Gaudí died in 1926 before his masterwork was completed and, since then, controversy has continually dogged the building programme.
**Registration FEE includes**: Access to all sessions, conference bag, program, Abstract Book in CD format, all printed material of the conference, invitation to the Get-Together Reception, coffee breaks and Banquet.

(*) Student Proof must be sent together with your Registration Form (student= enrolled in a Bachelor, Master or PhD program. Student fee does not apply for PostDoc programs)

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<th>Pool Confirmation</th>
<th>until 15th April 2008</th>
<th>from 15th April 2008</th>
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<tr>
<td>Full Delegate</td>
<td>450 EUR</td>
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<td>Student</td>
<td>270 EUR</td>
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<td>Accompanied Person</td>
<td>150 EUR (Welcome Reception, Banquet and Half-day city Tour)</td>
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<td>Hard copy of the conference proceedings</td>
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<td>Additional Paper(s)</td>
<td>150 EUR (each additional Paper)</td>
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<td>Abstract Submission Deadline</td>
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For more information visit our WEB SITE:  
[www.dsl2008-barcelona.com](http://www.dsl2008-barcelona.com)
Papers submitted to DSL-2008 and accepted after revision will be published in the periodical "DEFEKT AND DIFFUSION FORUM" by Trans Tech. Publications: www.ttp.net/1012-0386.html

Selected papers will be published in a special issue or topic of ADVANCED ENGINEERING MATERIALS, during 2009. The journal is published by WILEY-VCH and cited on ISI Web of Science (Impact Factor 2006: 1.402).

Papers submitted and accepted after review process will be published (Special Issue) by Trans Tech. Publications in THE JOURNAL OF NANO RESEARCH http://www.ttp.net/1661-9897.html Special Topic Issue on "Diffusion in Nanomaterials"

Selected papers will be published in JOURNAL OF POROUS MEDIA (Impact Factor 2006: 0.493)

Selected papers will be published in CHEMICAL ENGINEERING RESEARCH & DESIGN (Impact Factor 2006: 0.747), during 2009

Batlló House
Antoni Gaudí worked on Casa Batlló between 1904 and 1906 and showed here his fascination with the combination of ornamental and structural, form and contents
Mass Transfer

- Basics of diffusion
- Carburisation and Nitridation
- Internal precipitation
- Alloy heat treatment
- Particle growth and coarsening
- Microstructural and crystallographic texture evolution
- Reactive diffusion
- Phase transformations
- Multiphase diffusion systems
- Microelectronic and nanoscale systems
- Interfaces
- Diffusion in crystalline and amorphous materials
- Diffusion in ultrafine grain and nanocrystalline materials
- Diffusion in porous media
- Surface oxidation
- Phase diagrams
- Ad- and ab-sorption
- Diffusion coefficients
- Solute trapping at solid liquid interfaces
- Mathematical modelling
- Numerical methods
- Experimental methods
- Industrial applications

Heat Transfer

- Mathematical modelling
- Numerical methods
- Experimental methods
- Industrial applications

Microstructure & Properties

- Mathematical modelling
- Numerical methods
- Experimental methods
- Industrial applications

Nanodiffusion and Nanostructured Materials

- Nanomaterials
- Nanocomposites
- Industrial applications
Flamenco is a genuine Spanish art. Mass media may have brought Flamenco to the world stage but it is still an intimate and passionate art form that has to be experienced by anyone who visits Spain!
Barcelona is at the leading edge of fashion, architecture, cuisine and style. As well as providing the vibrant backdrop of a cosmopolitan city with historic buildings, Gaudi’s famous architecture, museums (e.g. Picasso Museum) and numerous restaurants, Barcelona enjoys glorious beaches and easy access to coastal villages. The unique style of Barcelona, a city of contrasts, makes it one of the world’s most popular conference destinations.

More info about Barcelona: [www.barcelonaturisme.com](http://www.barcelonaturisme.com)

The city offers many opportunities for sight-seeing, with architectural wonders, beautiful parks and inspirational museums and beaches.

Barcelona is the capital of Catalonia and the second largest city in Spain. It is located on the Mediterranean coast, between the mouths of the rivers Llobregat and Besòs, and is limited to the west by the Serra de Collserola ridge (512 m).

Barcelona is also a major tourist destination, with a rich cultural heritage. Particularly renowned are the architectural works of Antonio Gaudí and Lluís Domènech i Montaner, which are UNESCO World Heritage Sites.

**Travel / VISA:**

All information about how to get there, wetter, transport, maps and visas you will find under our webpage: [www.dsl2088-barcelona.com](http://www.dsl2088-barcelona.com)