

BARCELONA

SPAIN



Barcelona, SPAIN
9-11 July, 2008

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 Melià 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



Miró's works are mostly in the
Joan Miró Foundation in Barcelona

INVITATION

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 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- 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

DSL2008 Honorary Chairman
Professor Hideo NAKAJIMA
Osaka University, Japan



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.

More info: www.dsl2008-barcelona.com



Hotel Meliá Barcelona (5*)

ABSTRACT SUBMISSION

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-onferences.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:

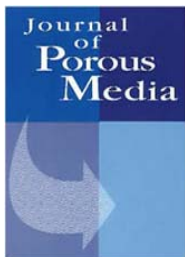
There will be a Special Poster Session on day 9 (see preliminary Programme)



MUSIC MUSEUM
Barcelona, Spain

SPECIAL SESSION (1):

“HEAT AND MASS TRANSFER IN POROUS MEDIA”



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

Organised by:

Prof. Dr. Joao Delgado

University of Porto, PORTUGAL

idelgado@fe.up.pt

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

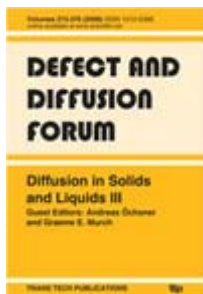


Magic Fountain (Barcelona)

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"



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

Organised by:

Prof. Dr. B. Bokstein

Moscow Institute of Steel and Alloys, RUSSIA
bokst@isis.ru

Prof. Dr. V. Popov

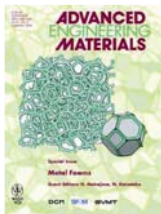
Institute of Metal Physics, Russian Academy of Sciences, RUSSIA
vpopov@imp.uran.ru

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



Agbar Tower
by architect Jean Nouvel

"HEAT TRANSFER IN CELLULAR AND COMPOSITE MATERIALS:
GAS AND FLUID FLOW, CONDUCTION AND RADIATION"



**ADVANCED
ENGINEERING
MATERIALS**

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

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

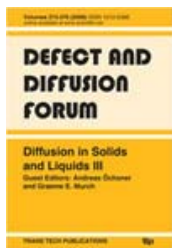
**Please, send your Abstract (s) direct to the organiser
of this Special Session**



Gothic Quarter

The world famous "Barri Gòtic", Barcelona's oldest area.

"DIFFUSION IN NANOMATERIALS"



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

or

The "**JOURNAL OF NANO RESEARCH**":
<http://www.ttp.net/1661-9897.html>

Organised by:

Prof. Dr. I. Belova

The University of Newcastle - AUSTRALIA

irina.Belova@newcastle.edu.au

Prof. Dr. Graeme Murch

The University of Newcastle, AUSTRALIA

graeme.Murch@newcastle.edu.au

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



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 & IMPORTANT DATES

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)*

REGISTRATION FEE:	until 15 th April 2008	from 15 th April 2008
Full Delegate	450 EUR	550 EUR
Student	270 EUR	370 EUR
Accompanied Person	150 EUR (<i>Welcome Reception, Banquet and Half-day city Tour</i>)	
Hard copy of the conference proceedings	100 EUR	
Additional Paper(s)	150 EUR (each additional Paper)	

Abstract Submission Deadline	25 March 2008
Notifications of Acceptance	05 April 2008
Accommodations Reservation	25 April 2008
Early Bird Registration	25 April 2008
DSL-2008	9-11 July 2008

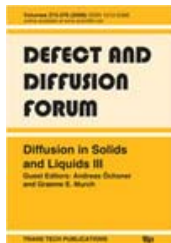
For more information visit our WEB SITE:

www.dsl2008-barcelona.com



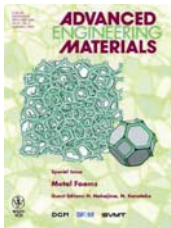
Barcelona Beach

PUBLICATION



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

ttp trans tech publications inc.
Publishers in Science and Engineering



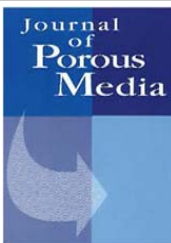
**ADVANCED
ENGINEERING
MATERIALS**

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"

ttp trans tech publications inc.
Publishers in Science and Engineering



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



Batló 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



Modern art rusts on La Barceloneta beach

PROGRAMME OVERVIEW

Day 1:

(9th July)

- 09:00-09:30 Opening Ceremony by organisers
 - 09:30-11:00 Plenary Opening Lecture by Prof. H. Nakajima, Japan
 - 10:15-11:00 Invited Plenary Lecture by Prof. F. Coutelieiris, Greece
 - 11:00-11:20 Break
 - 11:20-12:00 Invited Plenary Lecture by Prof. Marek Danielewski, Poland
 - 12:00-13:00 Lunch
 - 14:00-16:00 Parallel Technical Sessions & Special Sessions
 - 16:00-16:20 Break
 - 16:20-18:30 Parallel Technical Sessions & Special Sessions
- 19:00-21:30 Poster Sessions & Get Together**

Day 2:

(10th July)

- 09:00-11:00 Parallel Technical Sessions & Special Sessions
 - 11:00-11:20 Break
 - 11:20-13:20 Parallel Technical Sessions & Special Sessions
 - 13:30-14:20 Lunch
 - 14:30-16:30 Parallel Technical Sessions & Special Sessions
 - 16:30-16:50 Break
 - 17:00-19:00 Parallel Technical Sessions & Special Sessions
- 20:00-23:00 DSL-BANQUET**

Day 2:

(11th July)

- 09:00-11:00 Parallel Technical Sessions & Special Sessions
 - 11:00-11:20 Break
 - 11:20-13:30 Parallel Technical Sessions & Special Sessions
- 15:30-19:30 DSL City Tour**



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

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

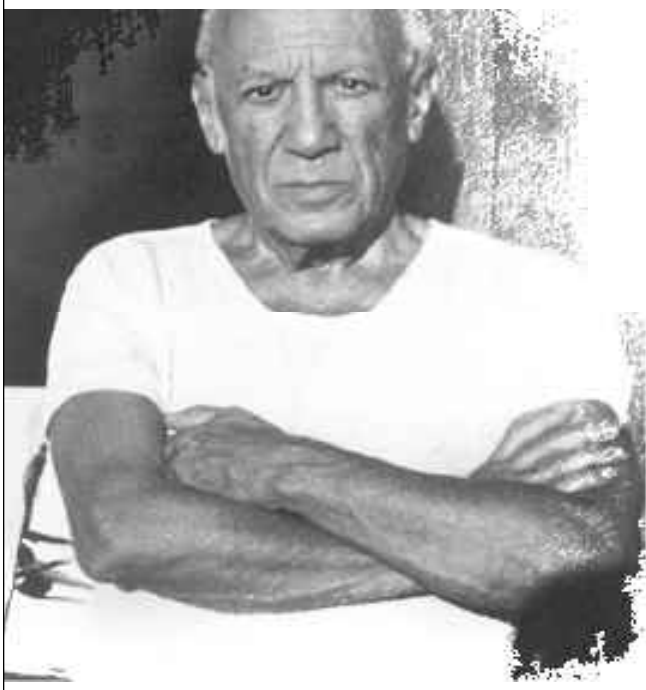
The city offers many opportunities for sight-seeing, with architectural wonders, beautiful parks and inspirational museums and beaches.

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, weather, transport, maps and visas you will find under our webpage: www.dsl2088-barcelona.com



Museum Pablo Ruiz Picasso
With important collection of
the painter's work, in addition
to temporary exhibitions.

Museu
Picasso