

First Announcement

#### General

The International Conference on Diffusion in Solids and Liquids, DSL-2005, is an unique opportunity to exchange information, present the recent results as well as assess the relevant issues on diffusion research. Young scientists are especially encouraged to attend the conference and to establish international contacts to well-known scientists. The Conference will be held from Wednesday the 6th through Friday the 8th July 2005. A Young Scientist Award will be given for the best paper presented at the Conference.

#### Location

The conference will be held at the University of Aveiro. Aveiro is a nice and quiet historical city located in the North of Portugal that can be reached from Porto by train in 60 minutes. It is a small city of 75000 inhabitants, 250 km away from Lisbon near the coast with beautiful beaches and a wonderful lagoon. The University of Aveiro is a young and dynamic, 30 years old university with a modern and growing campus in the centre of the city.

#### organised by TEMA

Centre for Mechanical Technology and Automation  
Department of Mechanical Engineering  
University of Aveiro

#### conference fees

Full delegate: 450 euro  
Student delegate: 250 euro (also PhD students)

#### for more information

<http://event.ua.pt/dsl2005>

## 1st International Conference on Diffusion in Solids and Liquids

6 > 8 July 2005 Aveiro, Portugal

Under the auspices of Minister of Science  
Professor Graça Carvalho



**DSL-2005**  
Diffusion in Solids and Liquids

universidade de aveiro



30 anos a projectar futuros

### Main topics

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 porous media  
Surface oxidation  
Phase diagrams  
Ad- and ab-sorption  
Calculation of diffusion coefficients  
Solute trapping at solid liquid interfaces  
Mathematical modelling  
Numerical methods  
Experimental methods  
Heat and mass transfer

### Call for papers

31 December 2004  
submission of abstracts  
1 February 2005  
notification of acceptance of papers  
30 April 2005  
payment of registration fee  
30 April 2005  
submission of full papers

All accepted papers will be published in the Proceedings of the Conference which will be available during the Conference and included in the registration package. High-quality papers of archival value will be considered for publication in the *Journal of Phase Equilibria and Diffusion (JPED)* (ASM International) and the *Journal of Materials Science* (Wiley-VCH).

### Organising committee

A. Öchsner  
(Chairman of the Organising Committee)  
University of Aveiro, Portugal

J. Grácio  
University of Aveiro, Portugal

F. Barlat  
Alcoa Technical Center, USA  
University of Aveiro, Portugal

### Honoury chairman

J. Ågren  
KTH Royal Institute of Technology, Sweden

### Scientific committee

F. Barlat, USA; D. Beke, Hungary; A.R. Bennacer, France; J. Bernardini, France; B. Bokstein, Russia; H. Bracht, Germany; C.E. Campbell, USA; M. Danielewski, Poland; M.A. Dayananda, USA; M.J.S. De Lemos, Brazil; A. Fishman, Russia; P. Gas, France; Y. Iijima, Japan; A.S. Khanna, India; A.A. Kodentsov, The Netherlands; A.V. Kuznetsov, USA; J.L. Lage, USA; D.N. Lee, Korea; J.-Y. Lee, Korea; W.O.F. Lengauer, Austria; Y. Limoge, France; S. Linderoth, Denmark; T. Maruyama, Japan; G. Martin, France; M. McLean, UK; H. Mehrer, Germany; Y. Minamino, Japan; G. Mishuris, Poland; A.A. Mohamad, Canada; T.V. Morosuk, Ukraine; H. Numakura, Japan; C.R. Picu, USA; E. Rabkin, Israel; E. Rauch, France; V.K. Sarin, USA; J.-H. Schmitt, France; S. Seetharaman, Sweden; K. Sefiane, UK; P. Seyffarth, Germany; L. Skerget, Slovenia; M.A.J. Somers, Denmark; A.C.M. Sousa, Portugal; S. Sridhar, USA; F. Stella, Italy; C. Tome, USA; M. Uematsu, Japan; J.E.S. Venart, Canada; P.W. Voorhees, USA; W. Wang, China; L.C. Wrobel, UK; M. Zinigrad, Israel

### Industrial committee

T. Iung; IRSID, ARCELOR, France; C. Lavoie; IBM Research, USA; T. Matsumiya; Nippon Steel Corporation, Japan; J.-W. Yoon; Alcoa Technical Center, USA; J.-C. Zhao; General Electric Company, GE Global Research, USA

### Registration form

Please submit till December 31, 2004

last name	first name
title	
Prof. Dr. Mr. Mrs. Ms.	
mailing address	affiliation
country	city (including postal code)
telephone	fax
e-mail	e-mail
I would like to attend the conference	I would like to present the paper entitled
abstract enclosed	abstract will be sent by
student	I may be accompanied by persons
Accommodation	
Special rates have been arranged for delegates and accompanying persons at local hotels (price 50 euro).	
hotel reservation: yes	no
arrival / /	departure / /
double room / single room	
e-mail submission	DSL-2005@mec.ua.pt