General
The International Conference on Diffusion in Solids and Liquids, DSL-2005, is a 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

First Announcement
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
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

Honoury chairman
J. Ågren
KTH Royal Institute of Technology, Sweden

Scientific committee
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A. Fishman, Russia; P. Gas, France; Y. Iijima, Japan;
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France; S. Linderoth, Denmark; T. Maruyama, Japan;
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Sweden; K. Sefiane, UK; R. Seyffarth, Germany; L. Skerget,
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Japan; J.E.S. Venart, Canada; P.W. Voorhees, USA;
W. Wang, China; L.C. Wrobel, UK; M. Zinigrad, Israel

industrial committee
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IBM Research, USA; T. Matsumiya; Nippon Steel
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USA; J.-C. Zhao; General Electric Company, GE Global
Research; USA

Registration form
Please submit till December 31, 2004
first name
last name
title
Prof. Dr. Mr. Ms.,
mailing address
city (including postal code)
home telephone
e-mail
I would like to attend the conference
abstract enclosed
I may be accompanied by
student
I would like to present this paper entitled
abstract will be sent by
e-mail submission(DSL-2005@mec.ua.pt)
double room / single room
no / yes
double room / single room
no / yes

Accommodation
Special rates have been arranged for delegates and accompanying persons at local hotels (price 50 euro).

travel
departure / arrival
no / yes
departure / arrival
no / yes

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).