

# PREFACE

This volume contains the contributions presented at DIMAT 2009, the Seventh International Conference on Diffusion in Materials, held at Lanzarote (Canary Islands, SPAIN), under the patronage of the Universidad Complutense de Madrid, Surface Engineering Research Group.

At the present time, Diffusion is always present in many scientific and technological fields. From Fick's laws up to nowadays, there are very important contributions based in Diffusion in fields like Biology, Nanosciences, Chemistry, Physics, etc...

DIMAT conferences are in continuous evolution since 1982, when Prof. Beke organized in Hungary in the years 1982 and 1988, focused mainly in diffusion coefficient measurements. In 1992 the conference was held in Kyoto (Japan) organized by Prof. Koiwa, and in 1996 in Münster (Germany) organized by Prof. Mehrer. The DIMAT series were going on the following years, 2000 in Paris (France) organized by Prof. Limoges and Prof. Bocquet and subsequently in Cracow (Poland) in 2004, organized by Prof. Danielewski.

DIMAT 2008 has been focus to attract people from fundamentals in diffusion up to the different areas where the applied diffusion play a main role in industrial processes. In this spirit, DIMAT 2008 succeeded because of its wide international participation, as well as for the high quality of its oral presentations and posters. Moreover, it is remarkable the very high scientific reputation of all plenary and key speakers invited to take part of this event. Unfortunately, the organization cannot invite to all key persons due to the limited budget, but we were lucky since have most of them also as participants in the event. The number of contributions was high, with three parallel sessions most of the time during the conference. Thus, the offer was high but also with very interesting talks at the same time in different rooms.

I want to acknowledge in the logistic of the conference especially to Mrs. Susana Rolan, because she took care of all the details from the beginning with the Beatriz Hotels and also with the small details in relation to the accompanying persons, social programs and the dinner at the Jameos del Agua.

DIMAT 2008 tries to combine scientific and social activities, showing a small and remote Spanish island with a unique and amazing landscape, very related with Diffusion in earth. We hope we succeeded in the choice.

The editors want to acknowledge the help of participants and members of the scientific committee for their efforts in the revision of manuscripts. I would specially like to thank Prof. Dayananda and Prof. Phillibert, because the many times they were asked for revisions, doing always a great work. Thanks again to both, not only for their scientific contribution, but also because this conference allowed me discovering two good friends.

The Summer school was held jointly with the COST 536 Action school, at the Hotel Rubicon in Lanzarote. This school combined the expertise in Diffusion, oxidation and coatings. I want to thank again to Prof. Phillibert and also to Prof. John Agren for their participation.

I have to say some words to Prof. Danielewski, who passed to me the big responsibility to organize this important event to the Diffusion community. I always received from him help and good advice. Thanks for all, Marek.

I cannot finish without thanking my research team at the Universidad Complutense de Madrid, especially to Prof. Pilar Hierro and our secretary Alessandra Romero. They both work very hard up to end the editorial process. Also, my thanks to the co-editors: Dr. Albella, Dr. Agüero, Prof. Hierro and Prof. Phillibert, and especially to my co-chair Dr. Albella.

With this editorial process I finish my duties with DIMAT and with the Diffusion community this time. I want to finish giving my thanks to all the participants: DIMAT 2008 occurred because all of you made it possible.

The next duties of DIMAT 2011 will be on the shoulders of Prof. Sebastien Chevalier, from the Université de Bourgogne in Dijon (France). I wish and encourage the two other candidates to organize DIMAT, Israel and Münster, to host this event in the future.

My best wishes, Sebastien, for the next DIMAT, and also on behalf of the Diffusion community.

Madrid, March 2009

Francisco, Chairperson of DIMAT 2008

Prof. Francisco Javier Pérez Trujillo, Catedrático de Universidad

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