

Preface

The «Tunisian Materials Research Society : **Tu-MRS**» organizes in collaboration with the Materials Physics Laboratory of Sfax «**LPM**», (Sfax Faculty of Sciences), the **First Euro-Mediterranean Meeting on Functionalized Materials "EMM-FM 2011"** to be held in **Sousse** (Tunisia) during the period 06-10 September, 2011. This meeting will be preceded by a School on nanomaterials and nanosciences during the period 03-06 September, 2011.

The First Euro-Mediterranean Meeting on Functionalized Materials "EMM-FM 2011" intends to provide an excellent opportunity for euro-mediterranean and International researchers to make their own works on functionalized materials known to a wider audience and to have discussions with other participants. This conference will also be an opportunity to exchange experiences, create and consolidate cooperation between different research structures in the euro-mediterranean countries and also around the world.

This conference will equally promote research development, contribution to collaboration between universities and the socio-economical milieu.

More than 350, senior researchers, professors, PhD and Master students will attend this conference.

The organizing committee decided first to organize this scientific meeting during the period March 17-21, 2011, but after the events happened during January 2011 and which ended by the departure of the ex-President from power, this conference has been shifted to the period Sept 06-10, 2011.

This conference is also an excellent opportunity to share with the Tunisian people his delight with Tunisia free and democratic far from any dictatorship.

The conference consists of plenary talks (05), Semi-Plenary talks (27), oral contributions (39) and poster presentations (244). The Proceedings book includes all the abstracts in the following topics:

A- Magnetic Materials

B- Superconducting Materials

C- Dielectric Materials

D- Ferroelectric and Multiferroic Materials

E- Materials for Electronics, Informatics and Communications

F- Nano-materials, nano-systems

G- Bio-materials

H- Materials for energy

I- Characterization methods: XPS, RMN, Electron Microscopy, Near field Microscopy,...

I want to thank the scientific committee, the organizing committee, the local committee and all persons who participate to the organization of this scientific meeting for their invaluable efforts in order to guarantee the full success of this Conference. We heartily look forward to meeting you in **Sousse** and wish you a good stay among us and full success to our scientific meeting.

Prof. Abdelwaheb CHEIKHROUHOU

President of «**Tu-MRS**»

Chairman of the Conference