



ESOMAT IN
PRAGUE 2009



THE 8TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS ESOMAT09

7-11 SEPTEMBER 2009,
PRAGUE, CZECH REPUBLIC

Conference webpage: <http://esomat.fzu.cz/index.php>

Venue: **Malostransky Palace, Mala Strana, Prague**
<http://www.malostranskypalac.cz/Text/homepage>
<http://www.profesnidum.cz/>



The ESOMAT09 conference is a continuation of the successful series of European conferences on martensitic transformation. This time it will take place in Czech Republic in the heart of the Prague city called Mala Strana between famous Charles Bridge over the Vltava river and Prague Castle. The venue Malostransky Palace is one of the beautiful Prague baroque palaces built by Jesuits in 17 century as a college. Even today, it is used by the Faculty of Mathematics and Physics of the Charles University, and that's what makes it the place where science meets history.

Chairmen:

P. Sittner, Institute of Physics, Academy of Sciences of the Czech Republic v.v.i., Prague

J. Pokluda, Brno University of Technology, Institute of Engineering Physics, Brno

A. Dlouhy, Institute of Physics of Materials, Academy of Sciences of the Czech Republic, Brno

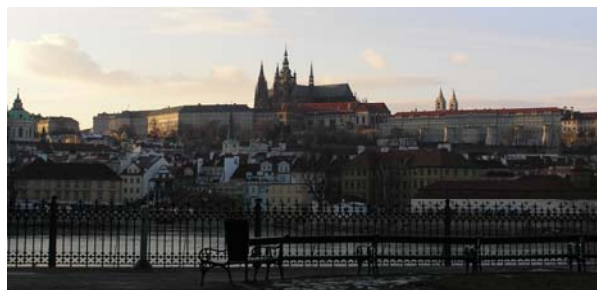
Local organizing committee:

- V. Paidar, IP ASCR, Prague
- S. Ignacova, IP ASCR, Prague
- L. Heller, IP ASCR, Prague
- O. Heczko, IP ASCR, Prague
- J. Kopecek, IP ASCR, Prague
- D. Vokoun, IP ASCR, Prague
- M. Landa, IT ASCR, Prague
- H. Seiner, IT ASCR, Prague
- P. Sedlak, IT ASCR, Prague
- T. Roubicek, Charles Uni., Prague
- M. Karlik, CTU, Prague



International advisory committee:

- H.K.D.H. Bhadesia, Cambridge, England
- E. Cesari, Palma de Maiorca, Spain
- S. Besseghini, Lecco, Italy
- G. Eggeler, Bochum, Germany
- N. Glavatska, Kiev, Ukraine
- J. Van Humbeeck, Leuven, Belgium
- Ch. LExcellent, Besnacon, France
- S. Muller, Leipzig, Germany
- A. Planes, Barcelona, Spain
- D. Schryvers, Antwerp, Belgium
- P. Sittner, Prague, Czech Republic
- D. Stroz, Katowice, Poland
- T. Waitz, Vienna, Austria



Scientific programme:

The Esomat09 conference will continue the tradition and cover mainly topics related with martensitic transformation in solids ranging from solid state physics through materials science to engineering applications of SMAs in smart structures.

- Basic research of martensitic transformations in solids
- Material research of metallic SMAs
- Material research of phase transforming steels
- Martensitic-like transformations in nonmetallic systems (ceramics, polymers, biomaterials etc.)
- Magnetic shape memory alloys
- Functional properties derived from MTs
- Modelling and design procedures
- Engineering applications of SMAs
- SMA hybrid composites and smart structures with SMAs
- Microactuators
- Thin films and low dimensional structures

Proceedings: **EDP Sciences**

Important dates:

Abstracts due: March 1st, 2009

Manuscripts submission: June 15th, 2009

Early registration: June 15th, 2009

Special Events: ESF EUROCORES S3T session
R&D Lab Exhibition
SMA-ITN minisymposium

Contact: **Conference secretary: Marcela Bohackova**

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