



Polska Akademia Nauk

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Warsaw, June 25, 2007

Subj.: Visit of IAB at the IPPT PAN

Minutes of the Meeting of International Advisory Board held on June 22 - 23, 2007 at the Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland

Members of the IAB :

Prof Jean-Louis CHABOCHE - present
ONERA/DMSE, France
Jean-Louis.Chaboche@onera.fr

Prof. Dr.-Ing. Dietmar Gross - present
Technische Universität Darmstadt
Institut für Mechanik, Gemany
gross@mechanik.tu-darmstadt.de

Prof. Piero Tortoli - present
University of Firenze, Italy
piero.tortoli@unifi.it

Prof. Anton van Steenhoven - present
TU Eindhoven, The Netherlands
a.a.v.steenhoven@tue.nl

Prof. Bhushan Karihaloo - absent
Cardiff University, UK
karihaloob@Cardiff.ac.uk

IPPT PAN was represented by Director of the Institute Prof. W. Nowacki, deputy directors Prof. A. Nowicki and Prof. K. Doliński, members of the Executive Committee of the Scientific Council: Prof. E. Danicki (Head), Prof. T.A. Kowalewski, Prof. W. Sosnowski, Prof. L. Jarecki, and Prof. K. Piechór (Secretary). Heads of the IPPT PAN departments and members of the Institute presenting short overview of their scientific activities were invited to the meeting as well.

Schedule of the two days visit:

Friday, 22 June 2007:

During the first day selected presentation of the Institute research highlights were given in the following order:

- Andrzej NOWICKI (deputy director): Introduction and presentation of the Institute
- Henryk PETRYK, Modelling of materials at severe plastic deformation
- Stanisław STUPKIEWICZ, Micromechanical modelling of shape memory alloys
- Jan HOLNICKI- SZULC, Smart technologies for structural safety
- Włodzimierz SOSNOWSKI, Computational methods in nonlinear mechanics
- Tomasz A. KOWALEWSKI, Electrospinning of nanofibres for biomedical applications
- Tomasz LEKSZYCKI, Modelling in bone biomechanics
- Jerzy LITNIEWSKI, Bone characterization by means of ultrasounds
- Beata HAT, Building single cell models of molecular pathways in immunity and cancer
- Zygmunt SZYMAŃSKI, Laser technology applications
- Jacek SZELAŻEK, Ultrasonic testing of materials
- Piotr KIEŁCZYŃSKI, Ultrasonic sensors of the physical parameters of materials

The first day meeting was finalized by resume and discussions with IAB members

Saturday, 23 June 2007:

On the second day a short visit in the following research laboratories of the IPPT PAN was organized for IAB members:

- Dynamic of materials (Wojciech K. NOWACKI)
- Surface acoustic wave transducers and devices (Eugeniusz DANICKI)
- Laser technology applications (Zygmunt SZYMAŃSKI)
- Microscanning using coded transmissions and acoustic microscopy (Andrzej NOWICKI)
- Thermoplasticity (Wiera OLIFERUK)
- Viscous and thermal flows (Tomasz A. KOWALEWSKI)
- Strength of materials (Lech DIETRICH)

After the laboratory tour IAB and participating members of the Institute met for the final discussion about outcomes of the visit.

The last point of the visit was short excursion to the Ochota Academic Centre, where new building of the Institute (under construction) was shown.

Summary of the visit

The general outcome of the visit appears to be very positive. Members of the International Advisory Board were impressed by quality of the research, advances in the laboratory equipment and diversity of the excellence. The members of IAB suggested stronger cooperation between different research groups of the Institute and to clarify system of evaluating and promoting researchers.

It was summarized that discussions will be continued through emails, after the members of IAB obtain more detailed data about the Institute (lists of publications, international grants etc).

It was agreed that such meetings are necessary, and exchange of knowledge about different systems of managing science appeared to be very interesting and useful.

Prof. Tomasz A. Kowalewski
Vice Chairman of the Scientific Council