

CSM Users' Meeting 2010

FINAL PROGRAM

27th and 28th October 2010
Chexbres (Montreux), Switzerland

//// Wednesday 27th October

0830 – 0900 Registration

0900 – 0915 Welcome to the CSM Users' Meeting 2010
Jacques Françoise, CEO of CSM Instruments

0915 – 1015 CSM Introduction of our new products
Philippe Kempe, CSM Sales Manager

1015 – 1030 Coffee Break

//// Morning Session > Chairman: Dr Michael Olsson

1030 – 1130 **HARDNESS CARTOGRAPHY IN 3D AND DISLOCATION INTERACTION MECHANISMS:
APPLICATIONS OF NANOINDENTATION IN MICRO/NANO MECHANICS**
Dr Christophe TROMAS, Université de Poitiers (France)

1130 – 1200 **Reproducibility and Accuracy (trueness and precision) of Nanoindentation Test Results in light of
the revision of ISO 14577**
Dr Michael Griepentrog, Federal Institute for Materials Research and Testing - BAM, Berlin (Germany)

1200 – 1230 **Study of PVD coatings by Nanoindentation to develop a standard reference nanomaterial of
elastic modulus**
Dr M.I. Petrzikh, National University of Science & Technology "MISIS" Moscow (Russia)

1230 - 1400 Lunch in the "Préalpina Hotel"

//// Afternoon Session

> Chairman: Dr Jiri Nohava, CSM Instruments

- 1400 - 1420 **Mapping of hardness and elastic modulus along the interface of diffusion coatings**
Dr Giovanni Bolelli, University of Modena and Reggio Emilia (Italy)
- 1420 – 1440 **Micro Hardness characterization of as-quenched glassy alloys**
Dr Zoltán Pál, Budapest University of Technology and Economics Budapest (Hungary)
- 1440 – 1500 **Protective coatings for silicon and stainless steel surfaces**
Dr G.K. Zhavnerko, Institute of Chemistry of New Materials of National Academy of Sciences of Belarus
- 1500 – 1520 **Performances of hybrid organic-inorganic coatings for wood flooring application**
PhD Xabier Errotabehere, RESCOLL Centre Technologique, Pessac (France)
- 1520 – 1550 **Coffee Break**
- 1550 – 1610 **Physical Scratch Test**
Dr Norbert Schwarzer, Siomec (Germany)
- 1610 – 1630 **Significance of indentation and scratch testing on thermally-sprayed coatings**
Dr B. Bonferroni, University of Modena and Reggio Emilia (Italy)
- 1630 – 1650 **Roughness effect on the friction behaviour of polymer surface**
Dr Anne Rubin, Institut Charles Sadron CNRS, Strasbourg (France)
- 1650 – 1710 **Viscoelastic Scratch behaviour of polymers containing hard and soft fillers**
Dr Luca Andena, Politecnico di Milano (Italy)
- 1745 – 1900 Surprise Tour organized by CSM Instruments
- 1900 – 2200 **Official Dinner**

//// Thursday 28th October

0900 – 1000 New evolution of CSM products (Software and Hardware)
Bertrand Bellaton, CSM R&D Manager

1000 – 1030 **Coffee Break**

//// **Morning Session** > Chairman: Dr Christophe TROMAS

1030 – 1130 Invited speaker:
**EVALUATION OF THE MECHANICAL AND TRIBOLOGICAL REPOSE OF VARIOUS
TRIBO_MATERIALS USING INDENTATION; SCRATCH TESTING AND PIN_ON_DISK TESTING**
Prof Dr Mikael OLSSON, Dalarna University (Sweden)

1130 – 1150 **Mechanical and adhesive properties of hybrid sol-gel coatings**
Dr Viviane Turq, CIRIMAT-UMR CNRS, Université Paul Sabatier, Toulouse (France)

1150 – 1210 **Test of tribological properties of hard nitride and oxynitride coatings produced by rotating
cathodes arc- PVD**
Mr Pascal Dessarzin, PLATIT AG (Switzerland)

1210 – 1230 **Friction and wear behaviours of Ti(C,O,N) dark decorative coatings**
Dr D. Munteanu, Transilvania University Brasov (Romania)

1230 – 1400 **Lunch**

//// Afternoon Session

> Chairman: Mr Nicolas Conté (MSc)

- 1400 – 1420 **Ultra Nanoindentation measurements on malaria infected red blood cells**
Prof Dr C. Kothari, University of Mumbai (India)
- 1420 – 1440 **Nanoindenter tip optimization for soft materials**
Eng Marc Farine, ETH Zürich (Switzerland)
- 1440 – 1500 **Mechanical properties of hard phases in Metal Matrix Composites and their influence on wear resistance**
Dr Stephan Huth, Ruhr-Universität Bochum (Germany)
- 1500 – 1520 **Mechanical characterization of Fe-Al intermetallic coatings on the P92 steel by means of nanoindentation**
Dr G. Alcalá, Universidad Complutense de Madrid (Spain)
- 1520 – 1550 **Coffee Break**
- 1550 – 1610 **On the Tribological characterization of polymeric and ceramic coatings**
Dr Umberto Galietti, Politecnico di Bari (Italy)
- 1610 – 1630 **Examination of polyurethane stent coating with Micro Combi Tester**
Dr Péter Ozsváth, Budapest University of Technology and Economics (Hungary)
- 1630 – 1650 **Characterization of cohesion of selected HVOF coatings by scratch testing on cross-section**
Dr Jiri Nohava, CSM Instruments, Peseux (Switzerland)
- 1650 – 1700 Conclusion and round table

For more information or to receive the registration details, please contact Mr Gregory FAVARO

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