



V. INVITED SPEAKERS (in presentation order)

Ivan Petrov (University of Illinois, USA and Linköping University, Sweden): Microstructure evolution in PVD coatings

Jörg Patschneider (EMPA, Switzerland): Adding oxygen to metal nitrides: wandering in the concentration fields of oxynitrides

Erik Wagenaars (York Plasma Institute, University of York, UK): Plasma physics behind oxynitride film deposition

Diederik Depla (Ghent University, Department of Solid State Sciences, Research group DRAFT, Belgium): What can we learn from modelling of reactive magnetron sputtering?

Nicolas Martin (FEMTO-ST Institute, France): Gas pulsing for tunable oxynitride thin films

Eric Tomasella (ICCF UMR CNRS 6296, France): Oxynitride thin films deposited by reactive sputtering: process control and optimization to achieve applications in optical field

Pascal Berger (CNRS-CEA UMR NIMBE, France): Ion beam analysis of light elements in thin films: common uses and capabilities

Maria del Carmen Marco de Lucas (Laboratoire Interdisciplinaire Carnot de Bourgogne (ICB), UMR 6303 CNRS-Univ. Bourgogne Franche-Comté, France): Physicochemical characterization of titanium oxynitride thin films: a multi-technique approach

Jurrian Schmitz (University of Twente, Netherlands): Low temperature silicon oxynitride films for microelectronics

Jatinder Vir Yakhmi (Homi Bhabha National Institute, India): Unconventional and Hard Superconductivity in Si-doped Nb-oxynitride, compared to pure and Al-, and Mg-doped Nb-oxynitrides

Joachen Schneider (RWTH Aachen University, Germany): Quantum mechanically guided materials design approaches for industrial applications: Nitride, Oxynitride and Boroncarbide Coatings

Marcus Morstein (PLATIT AG): Structure and high-temperature wear properties of Al-Cr-based oxynitride coatings deposited by PVD

Ricardo J.D. Alexandre (TEandM, SA, Portugal): On the path of coating development for industrial applications: from research to market

Martin Fenker (FEM, Schwäbisch Gmünd, Germany): Do oxynitride coatings offer a good corrosion protection for steel substrates?

Jia-Hong Huang (National Tsing Hua University, Taiwan): Effect of oxygen on the fracture toughness of Zr(N,O) hard coatings