

- 08:30 - 09:15 Chair: Jeon G. Han, Suwon, South Korea  
**Plenary Lecture** **Trends and Challenges in the Fabrication and Performance of Optical Coatings**  
PL0002 Ludvik Martinu<sup>1</sup>  
<sup>1</sup> Ecole Polytechnique de Montreal, Montreal, Canada
- Oral Session** **Session 12 - Film Structure and Composition I**  
Chairs: Konstantinos-Dionysios Bouzakis, Thessaloniki, Greece  
Guido Janssen, Delft, Netherlands
- 09:25 - 09:55 **Synthesis and properties of ternary noble metal oxide thin films**  
**Keynote Lecture** David Horwat<sup>1</sup>, José Luis Endrino<sup>2</sup>, André Anders<sup>3</sup>, Fabien Capon<sup>1</sup>,  
KN1200 Philippe Vernoux<sup>4</sup>, L Lizzaraga<sup>4</sup>, Jean François Pierson<sup>1</sup>  
<sup>1</sup> Institut Jean Lamour - CP2S, Nancy, France, <sup>2</sup> ICMC CSIC, Madrid, Spain, <sup>3</sup>  
Lawrence Berkeley National Laboratory, Berkeley, United States, <sup>4</sup> IRCELYON,  
Villeurbanne, France
- 09:55 - 10:15 **Understanding the Growth of doped MgO**  
OR1201 Marta Saraiva<sup>1</sup>, Violeta Georgieva<sup>2</sup>, Stijn Mahieu<sup>1</sup>, Rosita Persoons<sup>3</sup>,  
Annemie Bogaerts<sup>2</sup>, Diederik Depla<sup>1</sup>  
<sup>1</sup> Ghent University, Gent, Belgium, <sup>2</sup> University of Antwerp, Antwerp, Belgium, <sup>3</sup> Flemish  
Institute for Technological Research (VITO), Mol, Belgium
- 10:15 - 10:35 **Single target RF magnetron co-sputtered iron doped tin oxide films with controlled morphology**  
OR1202 Martin Kormunda<sup>1</sup>, Jaroslav Pavlik<sup>1</sup>  
<sup>1</sup> Purkinje University, Usti nad Labem, Czech Republic
- 10:35 - 10:55 **Characterisation Studies of the Structure and Properties of as-deposited and Annealed Pulsed Magnetron Sputtered Titania Coatings**  
OR1203 Peter Kelly<sup>1</sup>, Justyna Kulczyk-Malecka<sup>1</sup>, Glen West<sup>1</sup>, Ivanka Iordanova<sup>2</sup>,  
Vladimir Vishnyakov<sup>1</sup>  
<sup>1</sup> Manchester Metropolitan University, Manchester, United Kingdom, <sup>2</sup> University of  
Sofia, Sofia, Bulgaria
- 10:55 - 11:15 Coffee Break
- 11:15 - 11:35 **Structure evolution of magnetron sputtered TiO<sub>2</sub> thin films**  
OR1204 Stanislav Mráz<sup>1</sup>, Jochen M. Schneider<sup>1</sup>  
<sup>1</sup> MCh, RWTH Aachen University, Aachen, Germany

- 11:35 - 11:55  
OR1205 **X-ray microbeam transmission/fluorescence method for non-destructive characterization of tungsten coated carbon materials**  
Ion Tiseanu<sup>1</sup>, Matej Mayer<sup>2</sup>, Teddy Craciunescu<sup>1</sup>, Antti Hakola<sup>3</sup>, Seppo Koivuranta<sup>3</sup>, Jari Likonen<sup>3</sup>, Cristian Ruset<sup>1</sup>, Cosmin Dobrea<sup>1</sup>  
<sup>1</sup> National Institute Laser Plasma Rad., Magurele-Bucharest, Romania, <sup>2</sup> Max-Planck-Institut für Plasmaphysik, Garching, Germany, <sup>3</sup> VTT, Association EURATOM-Tekes, Espoo, Finland
- 11:55 - 12:15  
OR1206 **Control of optical properties of TaOxNy thin films deposited by reactive sputtering**  
Eric Tomasella<sup>1</sup>, Fadi Zoubian<sup>2</sup>, Angélique Bousquet<sup>2</sup>, Joel Cellier<sup>2</sup>, Thierry Sauvage<sup>3</sup>, Celine Eypert<sup>4</sup>, Jean Paul Gaston<sup>4</sup>  
<sup>1</sup> LMI - université Clermont 2, Aubiere, France, <sup>2</sup> LMI-CNRS, Aubiere, France, <sup>3</sup> CNRS-CEMHTI, Orleans, France, <sup>4</sup> Horiba Jobin Yvon, Chilly Mazarin, France
- 12:15 - 12:35  
OR1207 **Determination of Polarization of Metal Nitride Interfaces using AR-XPS**  
Dominik Jaeger<sup>1</sup>, Jörg Patscheider<sup>1</sup>  
<sup>1</sup> Empa, Dübendorf, Switzerland
- 12:35 - 12:55  
OR1208 **Study of structure development of Titanium Nitride coatings on inclined substrates**  
Subroto Mukherjee<sup>1</sup>, K Kishor Kumar<sup>1</sup>, P.M. Raole<sup>1</sup>, Pratipal Rayjada<sup>1</sup>, N.L. Chauhan<sup>1</sup>  
<sup>1</sup> FCIPT, Institute for Plasma Research, Gandhinagar, India
- 12:55 - 14:20  
Lunch Break

08:30 - 09:15 Plenary Lecture PL0004, Room Richard-Strauss

**Oral Session**      **Session 13 - Atmospheric Plasma Processing, Plasma Spraying**  
 Chairs: Thierry Belmonte, Nancy, France  
 Volkmar Hopfe, Dresden, Germany

09:25 - 09:55      **Correlation of processing parameters, microstructure and properties**  
**Keynote Lecture**      **of PEO coatings on magnesium alloys**

KN1300

Carsten Blawert<sup>1</sup>, P. Bala Srinivasan<sup>1</sup>, Jun Liang<sup>1</sup>

<sup>1</sup> GKSS Forschungszentrum Geesthacht GmbH, Geesthacht, Germany

09:55 - 10:15      **Deposition of SiO<sub>x</sub> and TiO<sub>2</sub> coatings by an open air non-equilibrium**  
 OR1301      **atmospheric pressure plasma jet**

Farzaneh Arefi-Khonsari<sup>1</sup>, Jerome Pulpytel<sup>1</sup>, Sudhir Bhatt<sup>1</sup>, Victor Micheli<sup>2</sup>,  
 Nadhira Laidani<sup>2</sup>

<sup>1</sup> UPMC-ENSCP, Paris, France, <sup>2</sup> Bruno Kessler Foundation, TRENTO, Italy

10:15 - 10:35      **Remote plasma-aided deposition of silicon oxide by means of micro**  
 OR1302      **barrier discharge**

Vasilis Papageorgiou<sup>1</sup>, Axel Sonnenfeld<sup>1</sup>, Patrick Reichen<sup>1</sup>, Philipp Rudolf  
 von Rohr<sup>1</sup>

<sup>1</sup> ETHZ / Institute of Process Engineering, Zurich, Switzerland

10:35 - 10:55      **Smooth and uniform SiO<sub>2</sub>-like layers on polymers synthesized by**  
 OR1303      **glow-like dielectric barrier discharge assisted CVD at atmospheric**  
    **pressure**

Antony Premkumar Peter<sup>1</sup>, Sergey Starostin<sup>1</sup>, Hindrik de Vries<sup>2</sup>,  
 Mariadriana Creatore<sup>1</sup>, Mauritius van de Sanden<sup>1</sup>

<sup>1</sup> Eindhoven University of Technology, Eindhoven, Netherlands, <sup>2</sup> FUJIFILM  
 Manufacturing Europe B.V, Tilburg, Netherlands

10:55 - 11:15      Coffee Break

11:15 - 11:35      **Effect of the substrate temperature on the deposition of thin SiO<sub>x</sub>**  
 OR1304      **films by atmospheric pressure microwave torch (TIA)**

Xavier LANDREAU<sup>1</sup>, Christelle Dublanche-Tixier<sup>1</sup>, Cédric Jaoui<sup>1</sup>, Salman  
 Syed-Asad<sup>1</sup>, Pascal Tristant<sup>1</sup>

<sup>1</sup> Université de Limoges, CNRS, SPCTS, Limoges, France

11:35 - 11:55      **CHEMICAL VAPOUR DEPOSITION AT ATMOSPHERIC PRESSURE**

OR1305

Stefan Kaskel<sup>1</sup>, Holger Althues<sup>1</sup>, Ines Dani<sup>1</sup>, Eckhard Beyer<sup>1</sup>, Volkmar  
 Hopfe<sup>1</sup>

<sup>1</sup> Fraunhofer Institute IWS, Dresden, Germany

11:55 - 12:15  
OR1306

**Nanostructured and conventional alumina–titania coatings prepared by air plasma spray process**

Zeinab Abdel Hamid<sup>1</sup>, Ahmed Ibrahim<sup>2</sup>, Alsayed Abdel Aal<sup>1</sup>

<sup>1</sup> CMRDI, CMRDI, Egypt, <sup>2</sup> Farmingdale State College, Farmingdale., New York, United States

12:15 - 12:35  
OR1307

**Investigations of a high volume atmospheric plasma torch at 915 MHz**

Jochen Kopecki<sup>1</sup>, Dennis Kiesler<sup>1</sup>, Martina Leins<sup>1</sup>, Andreas Schulz<sup>1</sup>, Matthias Walker<sup>1</sup>, Ulrich Stroth<sup>1</sup>, Mathias Kaiser<sup>2</sup>, Horst Mügge<sup>2</sup>

<sup>1</sup> Inst. f. Plasmaforschung, Uni Stuttgart, Stuttgart, Germany, <sup>2</sup> Muegge Electronic GmbH, Reichelsheim, Germany

12:35 - 12:55  
OR1308

**PULSE –PERIODIC SOURCE OF HIGH ENERGY PLASMA FLOWS IN AIR**

Yuri Chivel<sup>1</sup>

<sup>1</sup> Institute of Applied Physical Problems, Minsk, Belarus

12:55 - 14:20

Lunch Break

08:30 - 09:15 Plenary Lecture PL0004, Room Richard-Strauss

**Oral Session**      **Session 14 - Bioactive Films and Surfaces I**  
Chairs: Thomas von Woedtke, Greifswald, Germany  
Sabine Paulussen, MOL, Belgium

09:25 - 09:55      **Fabrication and characterisation of organic thin films for**  
**Keynote Lecture**      **applications in tissue engineering**  
KN1400      Michael R. Wertheimer<sup>1</sup>, Juan Carlos Ruiz<sup>1</sup>, Amelie  
St.-Georges-Robillard<sup>1</sup>, Charles Theresy<sup>2</sup>, Sophie Lerouge<sup>2</sup>  
<sup>1</sup> Ecole Polytechnique, Montreal, Canada, <sup>2</sup> Ecole de Technologie Superieure,  
Montreal, Canada

09:55 - 10:15      **Atmospheric pressure plasma technology for 1-step immobilization**  
OR1401      **of biomolecules**  
Sabine Paulussen<sup>1</sup>, Arne Van Hoeck<sup>1</sup>, Pieter Heyse<sup>1</sup>, Bert Sels<sup>2</sup>  
<sup>1</sup> VITO, MOL, Belgium, <sup>2</sup> KULeuven, HEVERLEE, Belgium

10:15 - 10:35      **Atmospheric pressure plasma deposition of different organic films**  
OR1402      **for biomedical applications**  
Gabriella Da Ponte<sup>1</sup>, Eloisa Sardella<sup>2</sup>, Fiorenza Fanelli<sup>1</sup>, Arne Van Hoeck<sup>3</sup>,  
Riccardo d'Agostino<sup>1</sup>, Sabine Paulussen<sup>3</sup>, Pietro Favia<sup>1</sup>  
<sup>1</sup> University of Bari, Bari, Italy, <sup>2</sup> Institute of inorganic Methods and Plasmas IMIP-CNR,  
Bari, Italy, <sup>3</sup> VITO Materials Technology, Mol, Belgium

10:35 - 10:55      **Deposition of amino-rich coatings by RF magnetron sputtering of**  
OR1403      **Nylon: Investigation of their properties related to biomedical**  
**applications**  
Anna Artemenko<sup>1</sup>, Ondrej Kylian<sup>1</sup>, Jaroslav Kousal<sup>1</sup>, Andrei Choukourov<sup>1</sup>,  
Juraj Cechvala<sup>1</sup>, Ivan Gordeev<sup>1</sup>, Oleksandr Polonskyi<sup>1</sup>, Danka Salvinska<sup>1</sup>,  
Hynek Biederman<sup>1</sup>  
<sup>1</sup> Charles University in Prague, Prague, CzechRepublic

10:55 - 11:15      Coffee Break

11:15 - 11:35      **CARBOXYL FUNTIONALITIES PRODUCTION: WATER RESISTANT**  
OR1404      **ETHYLENE/ACRYLIC ACID PLASMA FILMS**  
Bianca Rita Pistillo<sup>1</sup>, Alberto Perrotta<sup>1</sup>, Giacomo Ceccone<sup>2</sup>, Roberto  
Gristina<sup>3</sup>, Riccardo d'Agostino<sup>1</sup>, Pietro Favia<sup>1</sup>  
<sup>1</sup> University of Bari, Bari, Italy, <sup>2</sup> European Commission, Institute for Health and  
Consumer Protection, Ispra (VA), Italy, <sup>3</sup> Institute of inorganic methodologies and  
plasmas (IMIP-CNR), Bari, Italy

11:35 - 11:55  
OR1405

**Plasma Polymerized Ethylenediamine Thin Films for Biomedical Applications**

Jürgen Meichsner<sup>1</sup>, Holger Testrich<sup>1</sup>, Henrike Rebl<sup>2</sup>, Frank Wienholtz<sup>1</sup>, Barbara Nebe<sup>2</sup>

<sup>1</sup> University of Greifswald, Greifswald, Germany, <sup>2</sup> University of Rostock, Center for Biomedical Res., Rostock, Germany

11:55 - 12:15  
OR1406

**Antimicrobial plasma polymers**

Renate Förch<sup>1</sup>, Luis Duque<sup>1</sup>, Toby Jenkins<sup>2</sup>

<sup>1</sup> Max-Planck-Institut für Polymerforschung, Mainz, Germany, <sup>2</sup> University of Bath, Bath, United Kingdom

12:15 - 12:35  
OR1407

**N2/H2 plasma modification of polystyrene inhibits Staphylococcus epidermidis pathogenic biofilm formation**

Gabriel Soares<sup>1</sup>, Cristiano Krug<sup>2</sup>, Danielle Trentin<sup>3</sup>, Karine Zimmer<sup>4</sup>, Fernando Bonatto<sup>2</sup>, Leandra Campo<sup>5</sup>, Suzimara Rovani<sup>1</sup>, Alexandre Macedo<sup>6</sup>, Fabiano Rodembusch<sup>5</sup>, Israel Baumvol<sup>7</sup>

<sup>1</sup> Universidade de Caxias do Sul, Caxias do Sul, Brazil, <sup>2</sup> Instituto de Física - UFRGS, Porto Alegre, Brazil, <sup>3</sup> Centro de Biotecnologia and Faculdade de Farmácia – UFRGS, Porto Alegre, Brazil, <sup>4</sup> Centro de Biotecnologia – UFRGS, Porto Alegre, Brazil, <sup>5</sup> Instituto de Química - UFRGS, Porto Alegre, Brazil, <sup>6</sup> Centro de Biotecnologia and Faculdade de Farmácia UFRGS, Porto Alegre, Brazil, <sup>7</sup> Instituto de Física - UFRGS and Universidade de Caxias do Sul, Porto Alegre and Caxias do Sul, Brazil

12:35 - 12:55  
OR1408

**Thin films for Biomedical engineering : An over view**

A Subrahmanyam<sup>1</sup>, Paul Ramesh<sup>2</sup>

<sup>1</sup> Indian Institute of Technology Madras, Chennai, India, <sup>2</sup> Apollo Hospital, Chennai, India

12:55 - 14:20

Lunch Break

- 14:20 - 15:05 Chair: M.C.M. van de Sanden, Eindhoven, Netherlands  
**Plenary Lecture** **Thin film technology in crystalline silicon solar cell production**  
PL0000 Silvia Roth<sup>1</sup>, Egbert Vetter<sup>1</sup>  
<sup>1</sup> Roth & Rau AG, Hohenstein-Ernstthal, Germany
- 15:15 - 16:25 Poster Session 3, Foyer
- 16:25 - 16:45 Coffee break
- Oral Session** **Session 15- Tribological Coatings I**  
Chairs: Peter Panjan, Ljubljana, Slovenia  
Denis Kurapov, Balzers, Liechtenstein
- 16:45 - 17:15 **Innovative deposition techniques for new tribological coatings**  
**Keynote Lecture** Paul Peeters<sup>1</sup>, Ruud Jacobs<sup>1</sup>, Dave Doerwald<sup>1</sup>, Roel Tietema<sup>1</sup>, Thomas  
KN1500 Krug<sup>1</sup>  
<sup>1</sup> Hauzer Techno Coating, Venlo, Netherlands
- 17:15 - 17:35 **Vacuum Arc Deposition of Nano-structured Alumina/Zirconia Films**  
OR1501 Raymond Boxman<sup>1</sup>, Sun Kyu Kim<sup>2</sup>, Vladimir N. Zhitomirsky<sup>3</sup>, Ido  
Zukerman<sup>3</sup>, Giora Beit Ya'akov<sup>3</sup>  
<sup>1</sup> Tel Aviv University, Tel Aviv, Israel, <sup>2</sup> School of Materials Science and Engineering,  
University of Ulsan, Ulsan, South Korea, <sup>3</sup> Electrical Discharge and Plasma Lab, Tel  
Aviv University, Tel Aviv, Israel
- 17:35 - 17:55 **Improvement of mechanical and tribological properties of arc  
evaporated Al-Cr-B-N hard coatings via multilayer architectures**  
OR1502 Christian Tritremmel<sup>1</sup>, Rostislav Daniel<sup>1</sup>, Markus Lechthaler<sup>2</sup>, Conrad  
Polzer<sup>3</sup>, Christian Mitterer<sup>1</sup>  
<sup>1</sup> University of Leoben, Leoben, Austria, <sup>2</sup> OC Oerlikon Balzers AG, Balzers,  
Liechtenstein, <sup>3</sup> PLANSEE Composite Materials GmbH, Lechbruck, Germany
- 17:55 - 18:15 **c-BN coating systems with different interlayers for cutting inserts**  
OR1503 Christian Stein<sup>1</sup>, Martin Keunecke<sup>1</sup>, Klaus Bewilogua<sup>1</sup>, Werner Kölker<sup>2</sup>,  
Henk van den Berg<sup>3</sup>  
<sup>1</sup> Fraunhofer IST, Braunschweig, Germany, <sup>2</sup> CemeCon AG, Würselen, Germany, <sup>3</sup>  
Kennametal Technologies GmbH, Essen, Germany
- 18:30 - 23:00 Bavarian Evening, "Bayernhalle"

14:20 - 15:05 Plenary Lecture PL0005, Room Richard-Strauss

15:15 - 16:25 Poster Session 3, Foyer

16:25 - 16:45 Coffee break

**Oral Session Session 16 - Photovoltaic Thin Films**

Chairs: Klaus Ellmer, Berlin, Germany  
Michael Liehr, Dresden, Germany

16:45 - 17:15 **High rate synthesis of crystalline Si film by RF and UHF dual frequency PECVD with radical control**

**Keynote Lecture**  
KN1600

Jeon G. Han<sup>1</sup>, Yoon S. Choi<sup>1</sup>, Youn J. Kim<sup>1</sup>, In S. Choi<sup>1</sup>  
<sup>1</sup> Sungkyunkwan University, Suwon, SouthKorea

17:15 - 17:35  
OR1601

**Deposition of transparent nickel oxide by DC current reactive sputtering**

Pierre-Yves JOUAN<sup>1</sup>, Arkadiusz Karpinski<sup>1</sup>, Mireille Richard-Plouet<sup>1</sup>, Luc Brohan<sup>1</sup>, Linda Cattin<sup>1</sup>, Marie-Paule Besland<sup>1</sup>, Karim Makaoui<sup>1</sup>, Mohamed-Abdou Djouadi<sup>1</sup>  
<sup>1</sup> IMN Jean Rouxel, Nantes, France

17:35 - 17:55  
OR1602

**Application of a novel microwave plasma treatment for the sintering of NiO coatings for use in dye sensitized solar cells**

Muhammad Awais<sup>1</sup>, Mahfujur Rahman<sup>2</sup>, J.M. Don MacElroy<sup>2</sup>, Danilo Dini<sup>3</sup>, Johannes G. Vos<sup>3</sup>, Denis P. Dowling<sup>1</sup>  
<sup>1</sup> School of EEM, University College Dublin, Dublin, Ireland, <sup>2</sup> School of Chemical and Bioprocess Engineering, University College Dublin, Dublin, Ireland, <sup>3</sup> School of Chemical Sciences, Dublin City University, Dublin, Ireland

17:55 - 18:155  
OR1603

**Comparison between dynamic and static deposition of a-Si:H and  $\mu$ c-Si:H thin-film solar cells**

Arjan Flikweert<sup>1</sup>, Thomas Zimmermann<sup>1</sup>, Daniel Weigand<sup>1</sup>, Wolfgang Appenzeller<sup>1</sup>, Konrad Dybek<sup>2</sup>, Frank Stahr<sup>3</sup>, Aad Gordijn<sup>1</sup>  
<sup>1</sup> Forschungszentrum Jülich, Jülich, Germany, <sup>2</sup> Von Ardenne Anlagentechnik GmbH, Dresden-Weißig, Germany, <sup>3</sup> Forschungs- und Applikationslabor Plasmatechnik GmbH, Dresden, Germany

18:30 - 23:00 Bavarian Evening, "Bayernhalle"

14:20 - 15:05 Plenary Lecture PL0005, Room Richard-Strauss

15:15 - 16:25 Poster Session 3, Foyer

16:25 - 16:45 Coffee break

**Oral Session Session 17 - Bioactive Films and Surfaces II**

Chairs: David McKenzie, Sydney, Australia

Dmitry Shtansky, Moscow, Russia

16:45 - 17:15 **Plasma processes for cell-adhesive titanium surfaces based on nitrogen-containing coatings**

**Keynote Lecture**

KN1700

Karsten Schröder<sup>1</sup>, Birgit Finke<sup>2</sup>, Holger Tetriche<sup>3</sup>, Jürgen Meichsner<sup>3</sup>, Anna Artemenko<sup>4</sup>, Ondrej Kylian<sup>4</sup>, Hynek Biederman<sup>4</sup>, Henrike Rebl<sup>5</sup>, Barbara Nebe<sup>5</sup>, Klaus-Dieter Weltmann<sup>2</sup>

<sup>1</sup> INP Greifswald, Greifswald, Germany, <sup>2</sup> Leibniz Institute for Plasma Science and Technology (INP), Greifswald, Germany, <sup>3</sup> Ernst-Moritz-Arndt University Greifswald, Institute of Physics, Greifswald, Germany, <sup>4</sup> Charles University, Faculty of Mathematics and Physics, Department of Macromolecular Physics, Prague, Czech Republic, <sup>5</sup> University Rostock, Center for Medical Research, Working Area Cell Biology, Rostock, Germany

17:15 - 17:35

OR1701

**EFFECT OF MICROBIAL COLONIZATION ON CORROSION BEHAVIOUR OF (Ag,Cu)-DLC COATINGS**

Sandra Carvalho<sup>1</sup>, P. Melo<sup>2</sup>, E. Carneiro<sup>2</sup>, S. Calderon V.<sup>2</sup>, M. Henriques<sup>3</sup>, A. Cavaleiro<sup>4</sup>

<sup>1</sup> Universidade do Minho - Física, Guimarães, Portugal, <sup>2</sup> Universidade do Minho, Dept. Física, Guimarães, Portugal, <sup>3</sup> IBB-Institute for Biotechnology and Bioengineering Centre for Biological Engineering Universidade do Minho, Braga, Portugal, <sup>4</sup> SEG-CEMUC Mechanical Engineering Department, University of Coimbra, Coimbra, Portugal

17:35 - 17:55

OR1702

**Failure Analysis of DLC Coatings on Metallic Joint Implants**

Götz Thorwarth<sup>1</sup>, Kerstin Thorwarth<sup>1</sup>, Claudiu V. Falub<sup>2</sup>, Ulrich Müller<sup>1</sup>, Michael Stiefel<sup>1</sup>, Bernhard Weisse<sup>1</sup>, Cyril Voisard<sup>3</sup>, Markus Tobler<sup>4</sup>, Roland Hauert<sup>1</sup>

<sup>1</sup> Empa, Dübendorf, Switzerland, <sup>2</sup> ETH Zürich, Zürich, Switzerland, <sup>3</sup> Synthes GmbH, Langendorf, Switzerland, <sup>4</sup> IonBond AG, Olten, Switzerland

17:55 - 18:15

OR1703

**PBII nitriding of biomedical grade CoCrMo alloy**

Luc PICHON<sup>1</sup>, Jean-Paul RIVIERE<sup>1</sup>, Michel DROUET<sup>1</sup>, Orhan OZTURK<sup>2</sup>, Serdal OKUR<sup>2</sup>

<sup>1</sup> Institut P' UPR3346 CNRS U. de Poitiers, Chasseneuil- Futuroscope Cedex, France, <sup>2</sup> Department of Physics, Izmir Institute of Technology, IZMIR, Turkey

18:30 - 23:00

Bavarian Evening, "Bayernhalle"