

## Program Modifications

### Monday, September 17, 2018

- 12:15 - 12:35  
OR0303  
Room Olympia
- Bactericide release-based antibacterial yet biocompatible and bioactive surfaces**
- Dmitry Shtansky<sup>1</sup>, Irina Sukhorukova<sup>2</sup>, Alexander Sheveyko<sup>2</sup>, Sergey Ignatov<sup>3</sup>, Natalia Gloushankova<sup>4</sup>
- <sup>1</sup>Nat. Univ. Science and Technology MISiS, Moscow, Russia, <sup>2</sup>Nat. Univ. Science and Technology MISiS, Moscow, Russian Federation, <sup>3</sup>SRC Applied Microbiol. Biotechnol., Obolensk, Russian Federation, <sup>4</sup>Cancer Research Centre of RAMS, Moscow, Russian Federation

### Poster Session 1, 15:15 – 16:45

- PO1047
- Lanthanum cobaltite LaCoO<sub>3</sub> layer for thermal solar collector**
- Joseph ANTOINE<sup>1</sup>, Jean François PIERSON<sup>1</sup>, Fabien CAPON<sup>1</sup>
- <sup>1</sup>Institut Jean Lamour, Nancy, France
- PO1052
- Study on the correlation of process parameters and plasma density in PIAD employing active plasma resonance spectroscopy**
- Jens Harhausen<sup>1</sup>, Moritz Oberberg<sup>2</sup>, Sina Malobabic<sup>3</sup>, Rüdiger Foest<sup>1</sup>, Lars Mechold<sup>3</sup>, Peter Awakowicz<sup>2</sup>, Ralf Peter Brinkmann<sup>4</sup>
- <sup>1</sup>Leibniz INP, Greifswald, Germany, <sup>2</sup>AEPT, Ruhr University, Bochum, Germany, <sup>3</sup>Laser Components GmbH, Olching, Germany, <sup>4</sup>TET, Ruhr University, Bochum, Germany

### Tuesday, September 18, 2018

- 11:55 - 12:15  
OR0906  
Room Olympia
- Cancelled**

### Poster Session, 19:00 – 22:00

- PO2062
- Synthesis of Ag/YSZ nanocomposites thin films by reactive magnetron co-sputtering at high pressure for the electrochemical promotion of catalysis of ethylene into ethylene oxide**
- Benjamin Gilbert<sup>1</sup>, Stéphanie Bruyère<sup>1</sup>, Thomas Cavoué<sup>2</sup>, Ioanna Kalaitzidou<sup>2</sup>, Angel Caravaca<sup>2</sup>, Philippe Vernoux<sup>2</sup>, David Horwat<sup>1</sup>
- <sup>1</sup>Institut Jean Lamour, Nancy, France, <sup>2</sup>Université de Lyon, IRCELYON, Lyon, France
- PO4049
- Photocatalytically supported dielectric barrier discharge for waste gas treatment**

Andreas Schulz<sup>1</sup>, Stefan Merli<sup>1</sup>, Daniel Dobsław<sup>2</sup>, Matthias Walker<sup>1</sup>  
<sup>1</sup>IGVP, University of Stuttgart, Stuttgart, Germany, <sup>2</sup>ISWA, University of  
Stuttgart, Stuttgart, Germany

### Wednesday, September 19, 2018

#### Poster session, 15:15 – 16:45

- PO3040      **Substrate biasing effects on the mechanical and tribological properties of thick DLC coatings obtained by HiPIMS**  
Anca-Constantina Parau<sup>1</sup>, Catalin Vitelaru<sup>1</sup>, Adrian Emil Kiss<sup>1</sup>, Iulian Pana<sup>1</sup>,  
Arcadie Sobetskii<sup>2</sup>, Asim Aijaz<sup>3</sup>, Tomas Kubart<sup>3</sup>, Joao Carlos Oliveira<sup>4</sup>  
<sup>1</sup>National Institute for Optoelectronics, Magurele - Bucharest, Romania, <sup>2</sup>SC  
MGM STAR CONSTRUCT SRL, Bucharest, Romania, <sup>3</sup>Uppsala University,  
Uppsala, Sweden, <sup>4</sup>University of Coimbra, Coimbra, Portugal

### Thursday, September 20, 2018

17:55 - 18:15

OR2203      **Cancelled!**

Room Richard  
Strauss

#### Poster Session, 15:15 – 16:45

- PO4039      **Advanced Fibers by Plasma-Deposited Multilayers**  
Martin Amberg<sup>1</sup>, Tomáš Plichta<sup>1</sup>, Daniel Leutenegger<sup>1</sup>, Patrick Rupper<sup>1</sup>, Dirk  
Hegemann<sup>1</sup>  
<sup>1</sup>Empa, St.Gallen, Switzerland
- PO4049      **Photocatalytically supported dielectric barrier discharge for waste gas treatment**  
Andreas Schulz<sup>1</sup>, Stefan Merli<sup>1</sup>, Daniel Dobsław<sup>2</sup>, Matthias Walker<sup>1</sup>  
<sup>1</sup>IGVP, University of Stuttgart, Stuttgart, Germany, <sup>2</sup>ISWA, University of  
Stuttgart, Stuttgart, Germany
- PO4094      **RF hollow feeder for ITER diagnostic mirrors cleaning system: breakdown risk assessment**  
Dmitry Samsonov<sup>1</sup>, Sergey Masyukevich<sup>1</sup>, Alexandr Chernakov<sup>2</sup>, Nikita  
Babinov<sup>1</sup>, Artem Dmitriev<sup>1</sup>, Eugene Mukhin<sup>1</sup>, Alexey Razdobarin<sup>1</sup>, Pavel  
Shigin<sup>3</sup>, Roger Reichle<sup>3</sup>, Michael Walsh<sup>3</sup>  
<sup>1</sup>Ioffe Institute, St. Petersburg, Russia, <sup>2</sup>ZAO Spectral-Tech, St.-Petersburg,  
Russian Federation, <sup>3</sup>ITER Organization, St. Paul Lez Durance Cedex, France

**Friday, September 21, 2018**

11:35 - 11:55      **Tuning the HiPIMS sputtering process of C target for the deposition of  
OR2405              DLC coatings**  
Room Richard      Catalin Vitelaru<sup>1</sup>, Anca Constantina Parau<sup>1</sup>, Lidia Ruxandra Constantin<sup>1</sup>,  
Strauss              Adrian Emil Kiss<sup>1</sup>, Asim Aijaz<sup>2</sup>, Tomas Kubart<sup>2</sup>  
                             <sup>1</sup>National Institute for Optoelectronics, Magurele-ILFOV, Romania,  
                             <sup>2</sup>Uppsala University, Uppsala, Sweden