Confirmed posters (at June 6th 2017)

Session 1: Formation of anodic films on Al, Ti, Mg alloys (Reaction mechanisms, formation and organization of the porosity (self-assembly, nanoindentation), modeling)

1-10 The morphological transition of anodic TiO$_2$ nanostructures in HF-based mixture electrolytes, Jihyeon Park, Korea
1-48 Tuning the pore ordering in anodic alumina films via symmetry of the Al substrate, Ilya Roslyakov, Russia
1-51 Anodizing of aluminum alloy 1050 in phosphoric and sulfophosphoric medium, Vincent Cartigny, France
1-75 3D nanoporous titania formed by anodization as promising photoelectrode materials, Grzegorz D. Sulka, Poland
1-80 Estimating the quality of thin aluminum layers through their anodizing behavior, Jakub Kolar, Czech Republic

Session 2: Specific anodizations (Local or horizontal anodizations, other electrical modes (pulsed or AC), other media (organic or molten salts), other substrates (Nb, W ...))

2-15 Investigation of pulse anodization parameters on the production of anodic alumina oxide (AAO), Franscisco Trivinho-Strixino, Brazil
2-64 The effect of anodizing parameters on the formation of ZnO nanowires during anodic oxidation of zinc in bicarbonates electrolytes, Leszek Zaraska, Poland

Session 3: Formation of MAO films (Reaction mechanisms, micro-arc formation, modeling)

3-7 Influences of negative duty cycle on the characteristics of micro-arc oxidation coated magnesium-lithium alloy, Le-Hung-Toan Do, Taiwan, R.O.C.
3-24 Current and frequency role in energy efficiency of PEO treatment of aluminium with precursor films, Raul Arrabal, Spain
3-29 Electrolyte ageing: does it matter in the plasma electrolytic oxidation process ?, Gérard Henrion, France
3-59 Effect of sodium silicate on the electrochemical behavior of 1050 alloy during MAO, Emmanuel Rocca, France
3-82 Studies on the surface conditions of titanium alloy processed by the method of plasma electrolytic polishing with different electrolyte recipe, Wang, Lishi, China
3-96 Effect of multi-step plasma electric oxidation on structure and corrosion resistance of anodic films formed on AZ31 magnesium alloy, Sachiko Ono, Japan

Session 4: Anodic / MAO films for protection against corrosion (Green sealings, sealing mechanism, anticorrosion)

4-42 Fabrication of environmentally friendly anti-corrosive multi-layer structure composite coatings on AZ31B Mg alloys, Zhaohua Jiang, China
4-52 Comparative evaluation of anodized AA2024-T3 aircraft alloy samples with and without subsequent Cerium conversion coating, Stephan Kozhukharov, Bulgaria
4-56 Corrosion behavior of anodic alumina support used for photocatalytic application, Lamia Bouchama, Algeria
4-58 Growth behaviour and corrosion properties of low-voltage plasma electrolytic oxidation coatings on a die-cast AM50 magnesium alloy, Vahid Dehnavi, Canada

Session 5: Colored anodic / MAO films (Pigments and dyes and their modes of action, thermo-optical properties, coloring)

5-20 Photoluminescence in anodic alumina oxide (AAO) membranes prepared by galvanostatic anodization of Al, S. Janaina Santos, Brazil
5-36 Development of environment friendly plasma anodizing method for Magnesium press and casting alloys, Sung Hyung Lee, Japan
5-38 Colour control of metal-anodic aluminium oxide-Al nanostructures by morphological parameters of self-ordered anodic aluminium oxide films, Vicente Manzano Cristina, Switzerland
5-50 Influence of AC-polarization parameters on incorporated nickel in alumina films, Christian Girginov, Bulgaria
5-69 Vanadium oxide in Plasma Electrolytic Oxidation coatings, Gérard Henrion, France
5-102 Electro-chemical colorings of anodic films prepared on 7175 aluminium alloy for space applications, Jerome Roche, France
**Session 6: Anodic / MAO films for mechanical properties (Tribology, fatigue...)**

6-1 **Anodic plasma electrolytic polishing of medium carbon steel after nitriding**, Sergei Kusmanov, Russia

6-2 **Anodic plasma electrolytic nitrocarburising of Ti-6Al-4V alloy**, Irina Kusmanova, Russia

6-3 **Anode saturation of steel with boron and carbon in aqueous electrolyte**, Pavel Belkin, Russia

6-5 **Plasma Electrolytic Oxidation of TA6V for the improvement of its surface hardness**, Marie Laveissière, France

6-6 **New development of multifunctional coating for rain erosion, corrosion resistance and aesthetical aerospace requirements of aluminum large parts by plasma electrolytic oxidation**, Julien Escobar, France

6-8 **Mechanisms involved in the decrease in fatigue life of anodized Aluminium alloys**, Catherine Mabru, France

**Session 7: Other functionalizations of anodic / MAO films (Biocompatible coatings, electrical properties...)**

7-8 **TiO$_2$ nanotubes with a doping of Mo by single step anodization and potential shock**, Doungheun Ha, Korea

7-9 **A simple spray coating of bismuth oxide on TiO$_2$ nanotube arrays for lithium ion battery anode material**, Kim Namyoul, Korea

7-39 **The oxide coating modified with transition metals (Ni, Co, Cu) prepared by plasma electrolytic oxidation and its Fenton-like activity by degradation of phenol**, Jiankang Wang, China

7-40 **Preparation of TiO$_2$ nanotube/C/Mn$_3$O$_4$ nanostructured composite for high performance electrochemical capacitive energy storage**, Qixing Xia, China

7-57 **Insulating properties of hot dip aluminized microarc oxidation coatings on stainless steel**, Jung-Chou Hung, Taiwan

7-62 **Some peculiarities of MAO treatment of Ti-15Mo alloy**, Snizhko Lyubov, Ukraine

7-72 **Interaction of surface modified nanoporous anodic titanium oxide layers with osteoblast-like cells line SAOS-2**, Grzegorz D. Sulka, Poland

7-73 **Effect of the anodization potential on the apatite-forming ability of anodic titanium oxide layers**, Grzegorz D. Sulka, Poland

7-74 **Influence of different morphology of anodic titanium oxide on a photodegradation of dye**, Grzegorz D. Sulka, Poland

7-78 **VOC degradation and wastewater purification using TiO$_2$ nanostructures obtained by anodic oxidation**, Davide Prando, Italy

7-85 **Functionalization of PEO coatings with RGD-modified phosphonic acid derivatives for improved biocompatibility of nanostructured titanium implants**, Evgeny Parfenov, Russia

7-94 **Investigation of PEO coatings on nanostructured titanium for biomedical applications**, Evgeny Parfenov, Russia

7-95 **Investigation of PEO coatings on nanostructured Mg1Ca alloy for biodegradable implants**, Veta Mukaeva, Russia

**Session 8: Membranes, templates and composites (Preparation and functionalization (by MOFs, CNTs ...) of membranes or templates)**

8-23 **Electrochemical barrier layer thinning of anodic alumina templates for nanofabrication of nanowires**, Wojciech J. Stepniowski, Poland

8-53 **Silver nanowire array electrodes for electrocatalytic reduction of trichloromethane in aqueous solutions**, Anna Brudzisz, Poland

8-54 **Fast and efficient method for preparation of anodic Al$_2$O$_3$ membranes formed by anodization in sulfuric acid**, Anna Brudzisz, Poland

8-76 **Synthesis of semiconducting InSb nanowires with different diameters using anodic aluminium oxide (AAO) templates**, Grzegorz D. Sulka, Poland