

SPIS REFERATÓW Z POLSKI na KONGRESIE EUROCORR 2018

23 referaty polskich naukowców zostały zakwalifikowane do wygłoszenia:

6 referatów w sekcji “Corrosion by Hot Gases”, 3 referaty w sekcji “Metallic Coatings”, 2 referaty w sekcji “Mechanisms & Methods”, 2 referaty w sekcji “Marine Corrosion”, 2 referaty w sekcji “Inorganic Coatings” oraz po 1 referacie w sekcjach: “Automotive Corrosion”, “Corrosion Education”, “Corrosion in Oil and Gas”, “Refinery and Petrochemistry Industry”, “Corrosion of Steel in Concrete”, “Microbial Corrosion”, “Organic Coatings”, “Drinking Water”.

Sekcja “Corrosion by Hot Gases”

Wojciech Nowak (Rzeszow University of Technology, Rzeszow, Poland) / Bartek Wierzbą (Rzeszow University of Technology, Rzeszow, Poland) / Jan Sieniawski (Rzeszow University of Technology, Rzeszow, Poland): **Effect of surface preparation on high temperature oxidation kinetics and oxide scale morphology**

Tomasz Dudziak (Foundry Research Institute, Kraków Kraków, Poland) / Eugene Medvedovski (Endurance Technologies Inc, Calgary, Canada): **Protective Coatings for High-Temperature Steam Oxidation in Coal-Fired Power Plants**

Aleksander Gil (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Krakow, Poland) / Oleksandr Kryshchal (AGH University of Science and Technology, International Centre of Electron Microscopy for Materials Science and Faculty of Metals Engineering and Industrial Computer Science, Krakow, Poland) / Tomasz Brylewski (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Krakow, Poland) / Aleksandra Czyrska-Filemonowicz (AGH University of Science and Technology, International Centre of Electron Microscopy for Materials Science and Faculty of Metals Engineering and Industrial Computer Science, Krakow, Poland): **Microscopic investigations of a Cr₂O₃ scale formed on a substrate with implanted yttrium ions**

Damian Kocłęga (Agh University of Science and Technology, Kraków, Poland) / Agnieszka Radziszewska (AGH University of Science and Technology, Kraków, Poland) / Axel Kranzmann (BAM - Federal Institute for Materials Research and Testing, Berlin) / Stanisław Dymek (AGH University of Science and Technology, Kraków, Poland): **The microstructure characterization of the oxide scale created on Inconel 686 clad**

Maciej Bik (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland) / Piotr Jelen (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland) / Mirosław Stygar (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland) / Juliusz Dąbrowa (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland) / Elżbieta Długon (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland) / Aleksander Gil (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland) / Krzysztof Mroczka (Pedagogical University of Cracow, Institute of Technology, Poland, Cracow, Poland) / Magdalena Lesniak (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland) / Tomasz Brylewski (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland) / Maciej Sitarz (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland): **A new solution for the corrosion protection in the form of functional coatings based on silicon oxycarbide glasses**

Juliusz Dąbrowa (AGH University of Science and Technology, Kraków, Poland) / Grzegorz Cieślak (Warsaw University of Technology, Warsaw, Poland) / Mirosław Stygar (AGH University of Science and Technology, Kraków, Poland) / Aleksander Gil (AGH University of Science and Technology, Kraków, Poland) / Tadeusz Kulik (Warsaw University of Technology, Warsaw, Poland) / Marek Danielewski (AGH University of Science and Technology, Kraków, Poland): **Oxidation behavior of Al_x(CoCrFeNi)_{100-x} high entropy alloys**

Sekcja "Metallic Coatings"

Halina Krawiec (AGH University of Science and Technology, Krakow, Poland) / Vincent Vignal (ICB, UMR 6303 CNRS - Univ Bourgogne Franche Comté, Dijon, France) / Michal Latkiewicz (AGH University of Science and Technology, Krakow, Poland): **Structure and corrosion behaviour of Co-Mo nano-crystalline and Co-Mo/TiO₂ nano-composite coatings**

Beata Kucharska (Warsaw University of Technology, Warszawa, Poland) / Jerzy Robert Sobiecki (Warsaw University of Technology, Warszawa, Poland): **The corrosion properties of Ni/Al₂O₃/PTFE composite coatings exhibited in NaCl and CMA solutions**

Lech Kwiatkowski (Institute of Precision Mechanics, Warsaw, Poland) / Vasyl Pokhmurski (Karpenko Physico-Mechanical Institute, National Academy of Sciences of Ukraine, Lviv, Ukraine) / Ivan Zin (Karpenko Physico-Mechanical Institute, National Academy of Sciences of Ukraine, Lviv, Ukraine) / Andriy Kytsya (Karpenko Physico-Mechanical Institute, National Academy of Sciences of Ukraine, Lviv, Ukraine) / Sergiy Korniy (Karpenko Physico-Mechanical Institute, National Academy of Sciences of Ukraine, Lviv, Ukraine) / Yaroslav Zin (Karpenko Physico-Mechanical Institute, National Academy of Sciences of Ukraine, Lviv, Ukraine): **Corrosion inhibition of aluminium alloy by pigments based on ion exchanged zeolite**

Sekcja "Mechanisms & Methods"

Henryk Bala (Czestochowa University of Technology, Czestochowa, Poland) / Martyna Dymek (Czestochowa Univ. Technology, Czestochowa, Poland) / Jerzy Gega (Czestochowa Univ. Technology, Czestochowa, Poland): **Selective dissolution of Sn, Zn and Al from powder composite hydride electrode during its long-lasting cycling in 6M KOH solution**

Juliusz Winiarski (Wroclaw University of Science and Technology, Wroclaw, Poland) / Aleksandra Kobel (Wroclaw University of Science and Technology, Wroclaw, Poland) / Wlodzimierz Tylus (Wroclaw University of Science and Technology, Wroclaw, Poland) / Bogdan Szczygiel (Wroclaw University of Science and Technology, Wroclaw, Poland): **XPS and polarization study on the anodic dissolution of 316 stainless steel in a deep eutectic solvent**

Sekcja „Marine Corrosion”

Grzegorz Adamczewski (Warsaw University of Technology, Warsaw, Poland) / Paweł Łukowski (Warsaw University of Technology, Warsaw, Poland) / Piotr Woyciechowski (Warsaw University of Technology, Warsaw, Poland) / Krzysztof Saramowicz (Premix Sp. z oo, Połaniec, Poland): **Ensuring the effectiveness of repair and protection of the marine hydrotechnical constructions using PCC**

Zbigniew Klenowicz (Ancora, Co., Gdansk, Poland): **Corrosion condition of chemical ship duplex tanks carrying acids and alkalis in tropical region**

Sekcja "Inorganic Coatings"

Maciej Sowa (Silesian University of Technology, Gliwice, Poland) / Wojciech Simka (Silesian University of Technology, Gliwice, Poland): **Electrochemical corrosion studies of pure tantalum after plasma electrolytic oxidation in Ca-, Mg- and P-containing electrolyte**

Anna Mazur (Wroclaw University of Science and Technology, Wroclaw, Poland) / Bogdan Szczygiel (Wroclaw University of Science and Technology, Wroclaw, Poland): **Anti-corrosion properties of SiO₂ and Y₂O₃ ceramic layers produced by sol-gel method on the 316L stainless steel**

Sekcja "Automotive Corrosion"

Anna Januszka (Tenneco Automotive Poland, Rybnik, Poland) / Dariusz Dyja (Tenneco Automotive Poland, Rybnik, Poland): **Susceptibility to intergranular corrosion of stainless steels used in automotive industry**

Sekcja "Corrosion Education"

Agnieszka Królikowska (Polish Corrosion Society, Gdańsk, Poland) / Urszula Paszek (Polish Corrosion Society, Gdańsk, Poland) / Damian Wojda (Road and Bridge Research Institute, Warszawa, Poland): **How corrosion education courses can be managed inside a Corrosion Society**

Sekcja "Corrosion in Oil and Gas"

Marcin Słaby (Anticor Sp. z o.o., Wieliczka, Poland): **Casing Filler Technology**

Sekcja "Corrosion in the Refinery and Petrochemistry Industry"

Michał Kosmatka (PKN ORLEN, Płock, Poland) / Mirosław Padko (PKN ORLEN, Płock, Poland) / Robert Wódecki (PKN ORLEN S.A., Płock, Poland): **The case study of the TLE boilers corrosion mechanism for the petrochemical plant, in the aspect of intensifying production assets**

Sekcja "Corrosion of Steel in Concrete"

Robert Filipek (AGH-University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland) / Krzysztof Szyszkiewicz-Warzecha (AGH-University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland) / Agnieszka Królikowska (Road and Bridge Research Institute, Warsaw, Poland) / Jakub Stec (AGH-University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland): **Transport of ions in Cementitious Materials – Mathematical Models and Determination of Transport and Kinetic Parameters**

Sekcja "Microbial Corrosion"

Agata Sotniczuk (The Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland) / Agnieszka Kwiatek (The Faculty of Biology, University of Warsaw, Warsaw, Poland) / Donata Kuczynska (The Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland) / Halina Garbacz (The Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland): **Biocorrosion of nanocrystalline titanium in the presence of Streptococcus mutans**

Sekcja "Organic Coatings"

Jarosław Wojciechowski (Poznań University of Technology, Poznań, Poland) / Grzegorz Lota (Poznań University of Technology, Poznań, Poland) / Łukasz Kolanowski (Poznań University of Technology, Poznań, Poland) / Małgorzata Graś (Poznań University of Technology, Poznań, Poland) / Karol Szubert (Adam Mickiewicz University, Poznań, Poland) / Andreas Bund (Technische Universität Ilmenau, Ilmenau): **The Influence of the Modification of Current Collectors on the Electrochemical Capacitor Parameters**

Sekcja "Drinking Water"

Anna Wassilkowska (Cracow University of Technology (CUT), Kraków, Poland) / Wojciech Dąbrowski (Institute of Water Supply and Environmental Monitoring (CUT), Kraków, Poland): **Microstructural characterization of oxide scale on ductile iron pipes using scanning electron microscopy**