



71st Annual Meeting

of the
International Society of Electrochemistry

Belgrade, Monday 31 August to Friday 4 September 2020

Symposium 10
Oral presentation program

Friday 4 September 2020

Symposium 10

Electrochemical and electroless deposition: tailoring growth from monolayers and nanostructures to functional applications

Chair : *Giovanni Zangari*

09:00 to 09:20

Simon J. Reeves (Chemistry, University of Southampton, Southampton, United Kingdom), Yasir J. Noori, Liam McDonnell, Wenjian Zhang, Richard Beanland, Gillian Reid, David Smith, C. H. (Kees) de Groot, Philip N. Bartlett

[Towards Electrodeposition of InSb at the Nanoscale from Weakly Coordinating Solvents](#)

09:20 to 09:40

Mariela Brites Helú (LCPME, CNRS-Université de Lorraine, Villers-les-Nancy, France), Liang Liu
["Electrodeposition + Pulling" Gel Probes for Local Electrodeposition by Scanning Gel Electrochemical Microscopy \(SGECM\)](#)

09:40 to 10:20

Salvador Pané (Mechanical and Process Engineering, ETH Zürich, Zürich, Switzerland)
[Electrochemical Processing for Small-Scale Robotics](#)

10:20 to 10:40

László Péter (Complex Fluids Dept., Wigner Reserach Centre for Physics, Budapest, Hungary), Garima Kapoor, János L. Lábár, György Radnóczy, Eva Fekete, Jenő Gubicza
[Thermal Stability of Electrodeposited Ni-Mo Alloys in the Light of Detailed Structural Studies](#)

10:40 to 10:50

Coffee Break

10:50 to 11:10

Qing Zhao (Chemical and Biomolecular Engineering, Cornell university, Ithaca, USA), Jingxu Zheng, Lynden Archer
[Designing interphases for lithium, zinc and aluminum anodes](#)

11:10 to 11:30

Luca Magagnin (Chemistry, Materials and Chemical Engineering Giulio Natta, Politecnico di Milano, Milano, Italy), Gabriele Panzeri, Ruben Dell'Oro
[Unconventional Electrochemical Precursor Stacks, Zn/Sn/Cu & Zn/Cu/Sn, for the Synthesis of CZTS](#)

11:30 to 11:50

Walter Giurlani (University of Florence, Via della Lastruccia 3, Sesto Fiorentino, Italy), Martina Vizza, Lorenzo Fabbri, Luca Sergi, Maurizio Passaponti, Massimo Innocenti
[Electrodeposition of semiconductors on silver and silicon substrate through E-ALD and bulk methods](#)

11:50 to 12:10

Fabian M. Schuett (Institute of Electrochemistry, Ulm University, Ulm, Germany), Jerome Mayer, Maren-Kathrin Heubach, Maximilian Ceblin, Ludwig A. Kibler, Timo Jacob
[Electrochemical Zinc Deposition onto Au\(111\) and Au\(100\) from \[MPPI\]\[TFSI\]](#)

12:10 to 13:10

Coffee Break

13:10 to 13:50

Natasa Vasiljevic (School of Physics, University of Bristol, Bristol, United Kingdom)
[Electrodeposition of Platinum Metal Films and Alloys Using Surface Limited Redox Replacement Method](#)

13:50 to 14:10

Stanko Brankovic (Materials Engineering, ECE Dep. Eng. Bldg. 1, 4726 Calhoun Rd., Univ. of Houston, Houston, USA), Kamyar Ahmadi, Tim Hall, EJ Taylor
[Design of Effective Pulse Deposition Process for Functional Cr Coatings from Cr³⁺ Electrolyte](#)

14:10 to 14:30

Giovanni Zangari (Materials Science and Engineering, University of Virginia, Charlottesville, USA)
[Compositional Control of Electrodeposited Ag-Fe Films](#)