



# **71st Annual Meeting**

of the  
International Society of Electrochemistry

Belgrade, Wednesday 31 August to Friday 4 September 2020

Symposium 7  
Oral presentation program

# Wednesday 2 September 2020

## Symposium 7

### Electrochemical capacitors: beyond double-layer storage

Chairman : Wataru Sugimoto

**10:00 to 10:05**

Live Introduction of the Symposium by the session chair

**10:05 to 10:35 Keynote Invited**

**George Chen** (Department of Chemical and Environmental Engineering, University of Nottingham, Nottingham, United Kingdom)

[A Study of Charge Storage in Polyaniline by Electrochemical Means and in situ Electron Spin Resonance Spectroscopy](#)

**10:35 to 10:45**

Live Q-A with George Chen

**10:45 to 11:05 Invited**

**Masashi Ishikawa** (Department of Chemistry and Materials Engineering, Kansai University, Suita, Japan), Sara Ohki, Satoshi Uchida

[Effect of Cation Solvation State of FSI-based Salt on Electric Double-layer Capacitance Performance](#)

**11:05 to 11:15**

Live Q-A with Masashi Ishikawa

**11:15 to 11:35 Invited**

**Etsuro Iwama** (Applied Chemistry, Tokyo University of Agriculture and Technology, Tokyo, Japan), Keisuke Matsumura, Kenta Takagi, Itsuki Takizawa, Wako Naoi, Yuki Orikasa, Patrick Rozier, Patrice Simon, Katsuhiko Naoi

[Cation-Disordered Materials with Pseudocapacitive Characteristics](#)

**11:35 to 11:45**

Live Q-A with Etsuro Iwama

**11:45 to 12:05 Invited**

**Vladimir Panic** (Department of Electrochemistry, National Institute of Chemistry, Technology and Metallurgy, Belgrade, Serbia)

[Structural Dependence of Capacitive Performances of Multi-Metal Oxides Composites of Ordered Support-Layer Microstructure](#)

**12:05 to 12:15**

Live Q-A with Vladimir Panic

**12:15 to 12:20**

Live Conclusion of the symposium by the session chair

# Thursday 3 September 2020

## Symposium 7

### Electrochemical capacitors: beyond double-layer storage

Chair : Krzysztof Fic

**16:00 to 16:05**

Live Introduction of the Symposium by the session chair

**16:05 to 16:35 Keynote**

**Elzbieta Frackowiak** (Institute of Chemistry and Technical Electrochemistry, Poznan University of Technology, Poznan, Poland)

[Pseudocapacitive Effects from Electrolytes and Electrode Materials](#)

**16:35 to 16:45**

Live Q-A with Elzbieta Frackowiak

**16:45 to 17:05 Invited**

**Andrea Balducci** (Institute for Technical Chemistry & Environmental Chemistry, Friedrich-Schiller-University Jena, Jena, Germany), Lars Hess, Lars Borchardt

[In-situ electrolytes for high performance electrical double layer capacitors](#)

**17:05 to 17:15**

Live Q-A with Andrea Balducci

**17:15 to 17:35 Invited**

**Volker Presser** (Energy-Materials, INM - Leibniz Institute for New Materials, Saarbrücken, Germany)

[Redox-enabling the electrical double-layer: redox-electrolytes vs. redox-materials](#)

**17:35 to 17:45**

Live Q-A with Volker Presser

**17:45 to 18:05 Invited**

**Yury Gogotsi** (Materials Science and Engineering, Drexel University, Philadelphia, USA), Yury Gogotsi, Tyler Mathis, Xuehang Wang, Narendra Kurra

[Redox charge storage in two-dimensional transition metal carbides \(MXenes\)](#)

**18:05 to 18:15**

Live Q-A with Yury Gogotsi

**18:15 to 18:20**

Live Conclusion of the symposium by the session chair