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The 3rd Cross-Border Seminar on Electroanalytical Chemistry (CBSEC 2021).

We are glad that we can inform our readers, members of Czech Chemical Society (CSCH) and German Chemical Society (GDCh), members of International Society of Electrochemistry (ISE) and namely its Division 1 Analytical Electrochemistry and all other friends and supporters of electroanalytical chemistry that – in spite of COVID-19 pandemic- we were able to organize CBSEC 2021. The seminar was organized based on the long-term cooperation between electroanalytical chemists from the Czech Republic and Germany and the associated societies (CSCH and GDCh). In contrast to the previous seminars this was the first one completely conducted on a digital platform in line with social distancing norms due to the pandemic. When the name “Cross-Border Seminar” was coined for the first event, which took place in Furth im Wald (Germany) in 2018, no one could imagine that it would become difficult again to cross the Czech-German border. Nevertheless, the virtual format of the seminar enabled us crossing borders and discussing research in the field of electroanalytical chemistry. In this way we can continue the scientific exchange between graduate students (and their supervisors). And we are happy that we were able to cross borders between countries, generations, universities and research institutions, and different branches of electroanalytical chemistry.

We are proud to have about 60 registered participants from the Czech Republic, Germany, Poland, Spain, Slovakia, and Russia representing the strong electroanalytical traditions of their countries. Altogether 40 scientific contributions including 35 presentations given by PhD students were presented. Naturally, in a seminar for graduate students the young generation of electroanalytical researchers was in the spotlight but another attractive aspect of

crossing borders was to enable interactions between generations of scientists and representatives from industry. This mixture provided a floor for intensive discussions and paved the way for international collaborations and possibly will open future job opportunities. All sessions were chaired by PhD students and the whole program can be found on CBSEC 2021 web pages http://www-analytik.chemie.uni-regensburg.de/CBSEC_3/index_elach.htm.

We are very happy that we can inform electroanalytical community about the result of the competition for the best presentation. The following presentations were awarded:

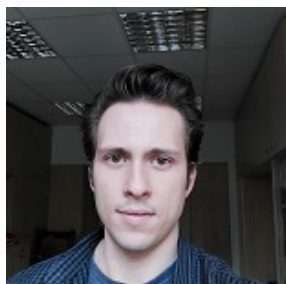


Simona Baluchová

Poly-L-lysine-modified planar and porous boron-doped diamond electrodes: Electrochemical behaviour and stability

Charles University

Czech Republic



Daniel Dobrovodský

Electrochemical probes in DNA structure recognition using hanging mercury drop electrode

Institute of Biophysics of the CAS

Czech Republic



Nicole Heigl

Novel concepts for carbohydrate analysis by means of online electrochemistry-capillary electrophoresis-mass spectrometry

University of Regensburg

Germany



Stefan Wert

Development of a temperature-pulse enhanced electrochemical glucose biosensor and characterization of its stability via scanning electrochemical microscopy

University of Regensburg

Germany

At the end we would like to thank International Society of Electrochemistry, Charles University (Project of Strategic Partnership) and Metrohm Company for kindly supporting financial prizes for the above-mentioned PhD students best presentations. And we thank all participants for their exciting presentations and we are looking forward to CBSEC 2022.

Frank-Michael Matysik and Jiří Barek



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Best Presentation Award

3rd Cross-Border Seminar on Electroanalytical Chemistry

On-line Seminar via Zoom, April 08–09, 2021

Nicole Heigl

Novel concepts for carbohydrate analysis by means of online electrochemistry-capillary electrophoresis-mass spectrometry

Prof. RNDr. Jiří Barek, CSc.
Division of Analytical Chemistry
Czech Chemical Society (ČSCh)

Prof. Dr. Frank-Michael Matysik
Division of Electroanalytical Chemistry
German Chemical Society (GDCh)



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