

## Report

### IEEE Nanomaterials: Applications & Properties (NAP) 2022 Conference

On 11-16.09.2022 the Electrochemistry Group of Silesian University of Technology had the pleasure to co-organize the IEEE Nanomaterials: Applications & Properties 2022 conference in Krakow, Poland with Sumy State University (Ukraine) and Institute of Electrical and Electronics Engineers (USA). This was a hybrid event (on-line + on-site). Over **100 oral presentations** were delivered at a total of **41 thematic sessions** related to nanotechnology in various fields of science. **Over 175 posters** were presented (including 73 on-line). We hosted **world-class researchers** such as Prof. Yury Gogotsi, Prof. Sandro Carrara, Prof. Laura H. Greene and Prof. Nicola Pinna.

This year the NAP conference has been held in Poland for the first time and the co-organizing by the Electrochemistry Group contributed to the increase of the importance of electrochemistry. A part of the organizers and members of advisory board are electrochemists (including regular ISE Members). Some of the main topics of the program were strictly connected with electrochemistry, eg. "Multifunctional thin films & coatings" (16 talks) and "Electrochemistry of nanomaterials" (9 talks). This year there were much more invited speakers as well as participants from the field of electrochemistry.

The traditional part of the NAP conference was "East Meets West" Grant Program which was dedicated among others for Ph. D. students presenting at the IEEE NAP-2022 Conference; Women in Science & Engineering (WiSE) or Covid-affected participants and the support of ISE was allocated for this purpose. The sponsorship funds were crucial to support the participation of Ukrainian researchers. We waived the registration fees of all remote participants from Ukraine and provided accommodation and meals for 20 participants (on a competitive basis – from Ukraine, India and Ireland).

The next IEEE NAP 2023 Conference next year will be held in Slovakia.

**Selected photos:**

**Opening Ceremony - Prof. Wojciech Simka** who the general co-chair of the conference and chair of the local organizing committee



**Opening ceremony – a slide with logos Sponsors**



**Final of Plenary Lecture of Prof. Yurii Gogotsi (on right) / Prof. Maksym Pogorielov (on left) - co-chair of the conference**



**Audience – IEEE NAP 2022 Conference**



Final of Plenary Lecture of Prof. Sandro Carrara (on right) / Prof. Maksym Pogorielov (on left) - co-chair of the conference



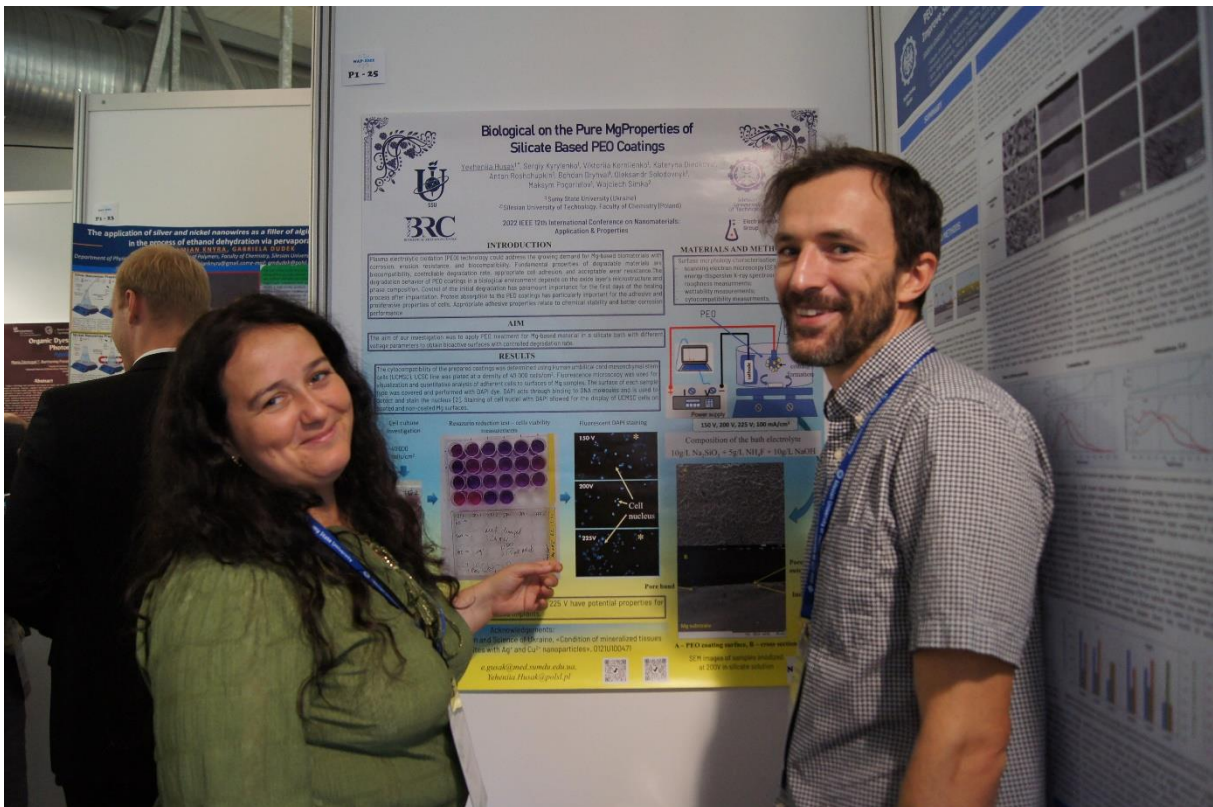
"Meet the Editors" Round Table, organized by the IEEE Young Professionals



## Poster Session – IEEE NAP 2022 Conference



## Poster Session – IEEE NAP 2022 Conference (PEO coatings ;P)



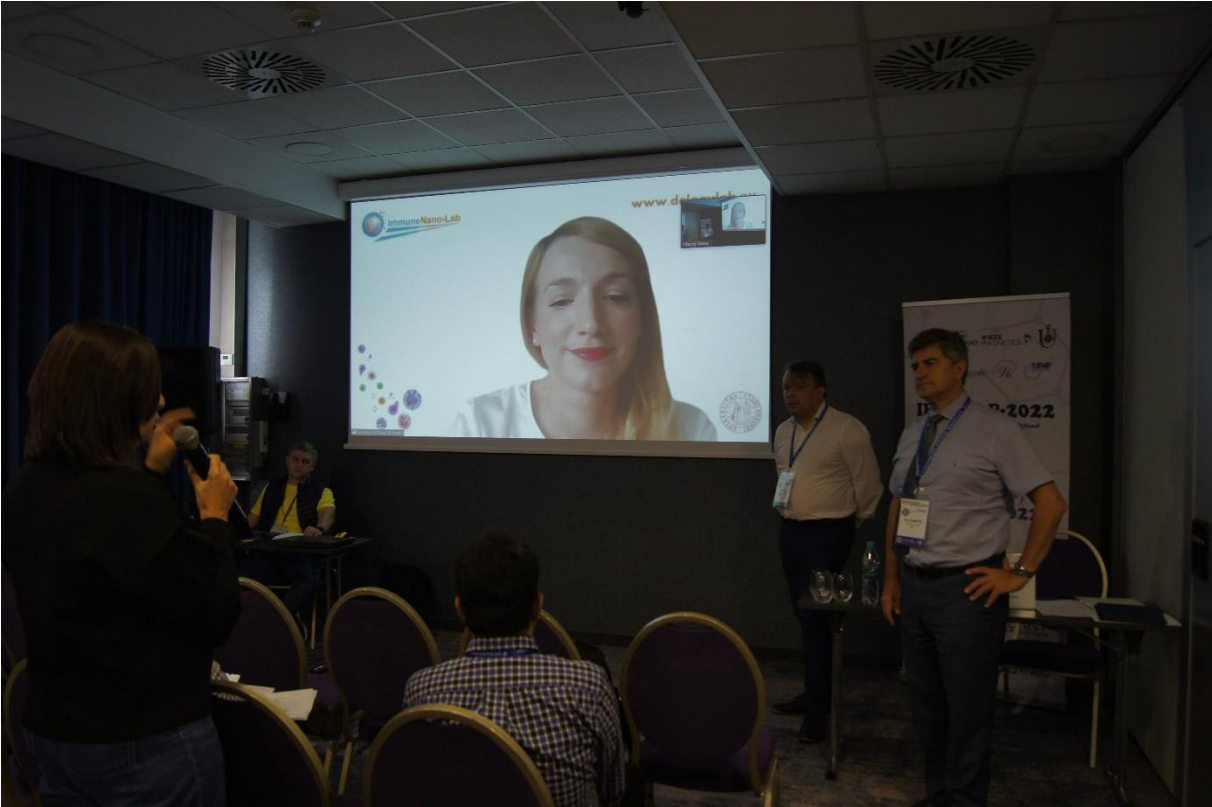
**Oral session – IEEE NAP 2022 Conference**



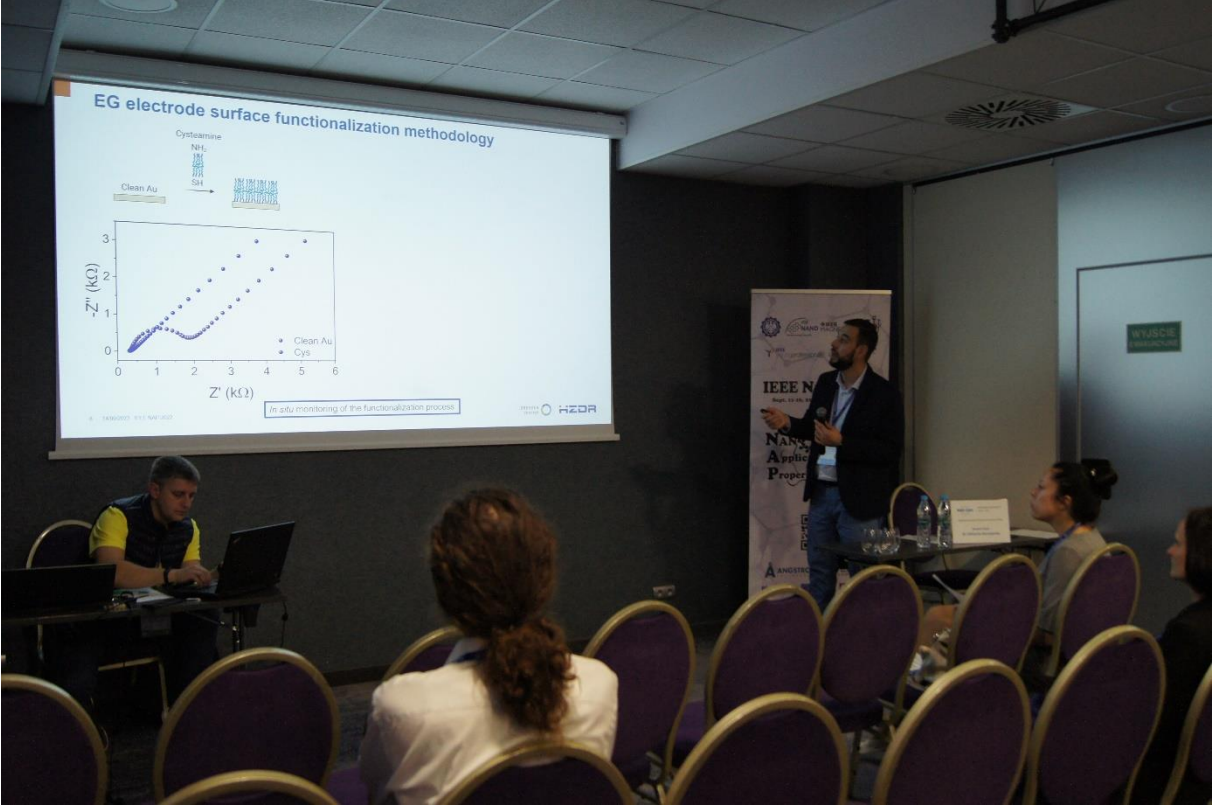
**Audience – IEEE NAP 2022 Conference**



Oral Session (on-line) – IEEE NAP 2022 Conference



Oral Session – IEEE NAP 2022 Conference



Oral Session – IEEE NAP 2022 Conference





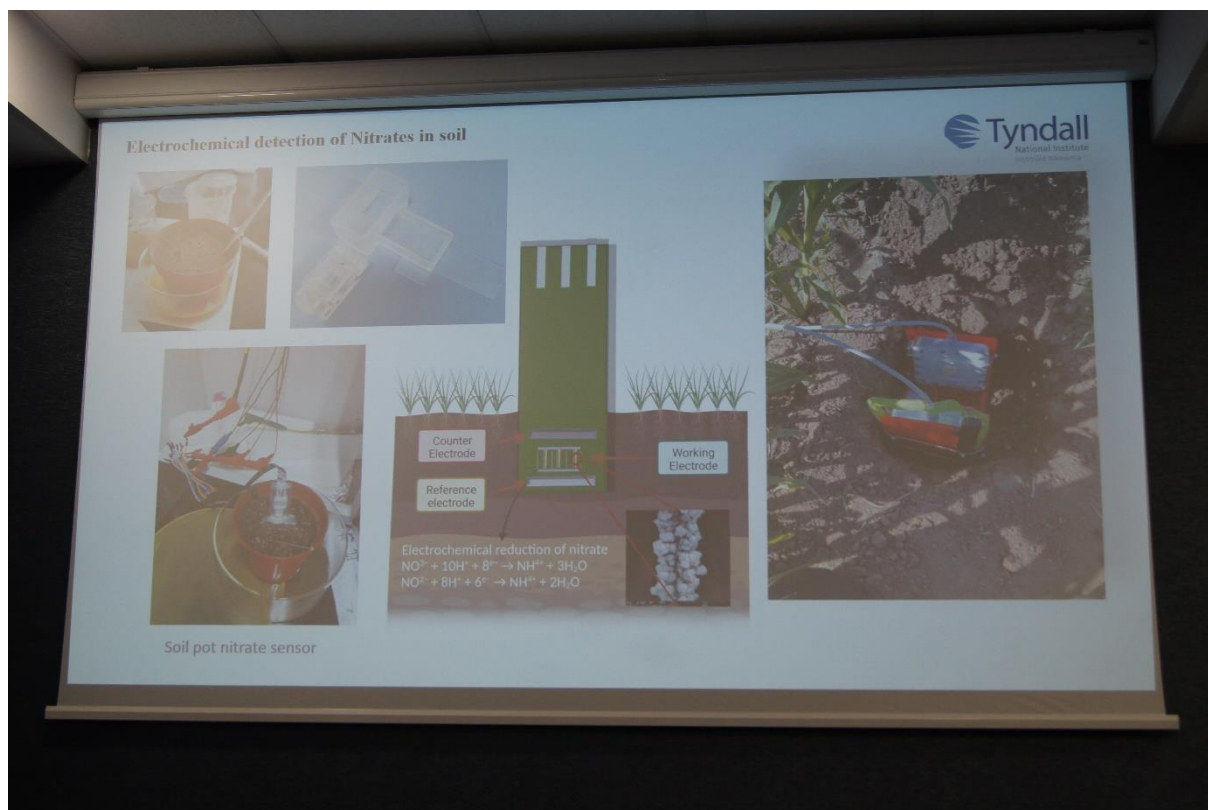
## Oral Session (on-line) – IEEE NAP 2022 Conference



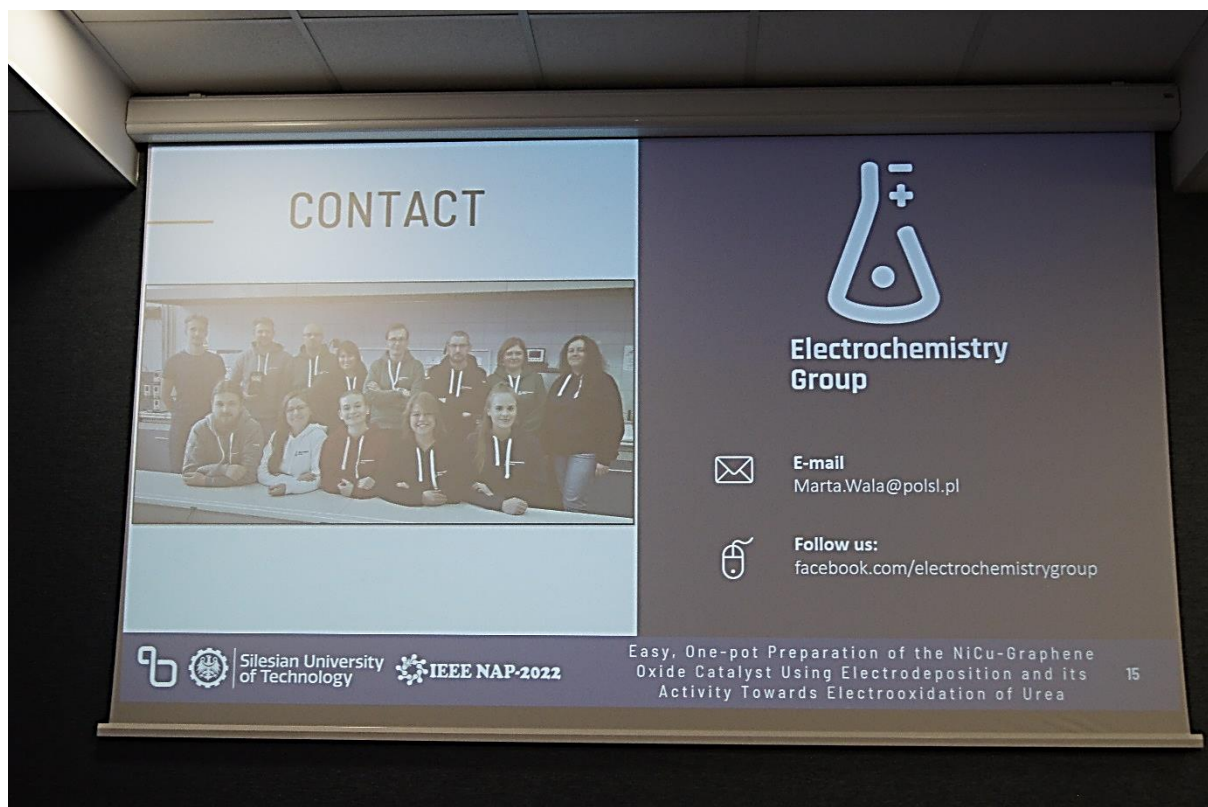
## Oral Session – prof. Jacek Ryl “Jewelry or Science: Impedimetric Monitoring of Molecular Recognition Systems Based on Diamond and Gold Surfaces”



**Oral Session – Tarun Narayan, “Ultramicroelectrodes Arrays for applications in Environmental”**  
Analysis / Electrochemical detection of nitrates in soil



**Oral Session – final slide of Marta Wala presentation “/ Easy, One-pot Preparation of the NiCu-Graphene Oxide Catalyst Using Electrodeposition and its Activity Towards Electrooxidation of Urea”**



Gala Dinner – IEEE NAP 2022 Conference



IEEE NAP 2022 Teddy Bears



**Closing ceremony** – a slide with logos Sponsors / **Prof. Wojciech Simka** who the general co-chair of the conference and chair of the local organizing committee



**Press wall session**



**Press wall session – Electrochemistry Group of Silesian University of Technology (co-organizers)**



**Press wall session – Electrochemistry Group and group from Sumy State University (organizers)**



**Group photo – IEEE NAP 2022**

