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**MONDAY, SEPTEMBER 11, 2023**

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**MONDAY MORNING SESSION****IEEE NAP-2023 CONFERENCE OPENING & PLENARY SESSION**  
**(CONFERENCE HALL "LONDON" & in ZOOM)**

- 8:45 – 9:00 AM      Welcome to the IEEE NAP-2023 Conference!  
**Prof. Pavol Šajgalík** (President SAS, Slovakia)  
**Prof. Goran Karapetrov** (Drexel University, US), Program Chair  
**Dr. Vladimír Cambel** (*IEE SAS, Slovakia*), IEEE NAP-2023 Conference Chair
- 9:00 – 9:45 AM      **Plenary Talk 1 (Session Chair - Hanein)**  
**Prof. Yury Gogotsi**, *Drexel University, USA*  
Interactions of MXenes with Electromagnetic Waves – from Optoelectronic to Communication Technologies (ID #818)
- 9:45 – 10:30 AM      **Plenary Talk 2 (Session Chair – Hanein)**  
**Prof. Jannik C. Meyer**, *University of Tuebingen, Germany*  
Jannik C. Meyer, Christoph Hofer, Jonas Haas, Jani Kotakoski, Toma Susi, Clemens Mangler, Viera Skákalová, Andreas Mittelberger, Giacomo Argentero, Mohammad R. A. Monazam, Christian Kramberger-Kaplan, Xiao Wang, Kai Braun.  
Analyzing and Assembling Layered Materials, Atom by Atom and Layer by Layer, in 2D and 3D (ID #874)
- 10:30 – 11:00 AM      *Coffee break (Conference room "Rome")*
- 11:00 – 11:45 AM      **Plenary Talk 3 (Session Chair – Meyer)**  
**Prof. Yael Hanein**, *Tel Aviv University, Israel*  
Invasive and Non-invasive Neural Interfaces (ID #869)
- 11:45 – 12:30 PM      **Plenary Talk 4 (Session Chair – Meyer)**  
**Prof. Vladimir Tsukruk**, *Georgia Institute of Technology, USA*  
Bio-enabled Functional Nanomaterials: from Actuating Flexible Magnets to Photonically-Assisted Logic (ID #729)
- 12:30 – 1:00 PM      **Participants Group Photo** (*in CROWNE PLAZA hotel*)
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- 1:00 – 2:00 PM      *Lunch break (at your own expense)*
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**MONDAY AFTERNOON SESSIONS**

- 2:00 – 2:45 PM      **Plenary Talk 5 (Session Chair – Cambel)**  
**Prof. Jaroslav Fabian**, *University of Regensburg, Germany*  
Spintronics with 2D materials (ID #810)
- 2:45 – 3:30 PM      **Plenary Talk 6 (Session Chair – Cambel)**  
**Prof. Marek Przybylski**, *AGH University of Science and Technology in Kraków, Poland*  
Electron Tunneling and Spin-Dependent Phenomena: Developing Concepts for Random Access Memory (ID #900)
- 3:30 – 3:45 PM      *Coffee break (Conference room “Rome”)*
- 3:45 – 5:15 PM      **IEEE NAP-2023 Special Session “Sponsors in the Spotlight”**  
**(Session Chair – Karapetrov)**  
**Highlight talks by:**
- 1.) IEEE NTC
  - 2.) IEEE MagSoc
  - 3.) ESET, s.r.o.
  - 4.) Bizzcom, s.r.o.
  - 5.) U.S.-UA Foundation
  - 6.) Atlant 3D Nanosystems
  - 7.) Angstrom Engineering
- 5:15 – 5:30 PM      *Coffee break (Conference room “Rome”)*
- 5:30 – 7:00 PM      **IEEE NAP-2023 YP & STUDENT ACTIVITIES CHAIRS** present:  
**“Nanotech Startups: How-to Succeed”** Round Table & International Networking Event.
- Panelists:**
- Mr. Lukáš Hatala, *Bizzcom, s.r.o., Slovakia*  
Mr. Ondrej Kubovič, *ESET, s.r.o., Slovakia*  
Dr. Maksym Plakhotnyuk, *ATLANT 3D Nanosystems, Denmark*
- Moderators:**
- Kateryna Smyrnova, *Slovak University of Technology in Bratislava, Slovakia*  
Matteo Bruno Lodi, *University of Cagliari, Italy*  
Martin Sahul, *Slovak University of Technology in Bratislava, Slovakia*  
Marta Wala, *Silesian University of Technology, Poland*