

## Newsletter III (01.09.2022 - 31.08.2023)

### NEWS

- **New project coordinator**

**Prof. Przemyslaw Data** has quit SUT and from 01.10.2022 the new project coordinator is **prof. Slawomir Boncel**, who was already in our team as Chairperson of Project Management Team.

- **New Era Chair Holder**

**Dr Pavel Troshin** has resigned from the position and we were looking for a new Era Chair Holder. Happily, in December 2022, **Prof. Igor F. Perepichka** joined our team as the **ExCEED Era Chair Holder**

- **Prof. Mieczyslaw Lapkowski** was included in the ranking of the **Best Chemistry Scientists in Poland**.

(<https://research.com/scientists-rankings/chemistry/pl?fbclid=IwAR1HLIYC8Rqp3c3qhAJ0GDpMrCVU28oS8sSEGNLbEufNPw-SACbm004NgoA>)



 **PODCASTS** 

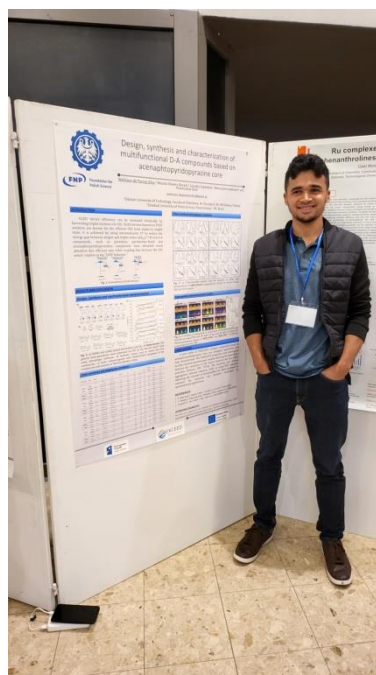
- **08.10.2022 – Dr. Paweł Czurkin: How to crumple a powerbank?**  
(*Jak pognieść powerbank?*) Radio eM (PL)  
<https://www.radioem.pl/doc/7872527.Jak-pogniesc-powerbank>
- **08.10.2022 – Prof. Katarzyna Krukiewicz: How to extend the life of implants?**  
(*Jak przedłużyć życie implantów?*) Radio eM (PL)  
<https://www.radioem.pl/doc/7872704.Jak-przedluzyc-zycie-implantow>
- **11.10.2022 – Prof. Mieczysław Łapkowski: How to roll up a TV into a roll?**  
(*Jak zwinąć telewizor w rolkę?*) Radio eM (PL)  
<https://www.radioem.pl/doc/7877327.Jak-zwinac-telewizor-w-rolke>
- **27.11.2022 – Dr Sandra Pluczyk – Małek: How to make a screen that does not damage the eyes?**  
(*Jak zrobić ekran, który nie niszczy oczu?*) Radio eM (PL)  
<https://www.radioem.pl/doc/7964003.Jak-zrobic-ekran-ktory-nie-niszczy-oczu>
- **10.03.2023 – Prof. Katarzyna Krukiewicz: Computational oncology, what does it mean?**  
(*Onkologia obliczeniowa, czyli co?*) Radio eM (PL)  
<https://www.radioem.pl/doc/8121579.Onkologia-obliczeniowa-czyli-co>
- **26.05.2023 – Prof. Sławomir Boncel: More valuable than coal! And they're in the heaps!**  
(*Cenniejsze od węgla! A zalegają na hałdach!*) Radio eM (PL)  
<https://www.radioem.pl/doc/8300791.Cenniejsze-od-wegla-A-zalegaja-na-haldach>
- **14.06.2023 – Prof. Sławomir Boncel: Carbon nanotubes - will this be the goal of miniaturization in electronics?**  
(*Nanorurki węglowe – czy to będzie szczyt miniaturyzacji w elektronice?*) Science Radio (PL)  
<https://radionaukowe.pl/podcast/nanorurki-weglowe-czy-to-bedzie-szczyt-miniaturyzacji-w-elektronice-e151/>

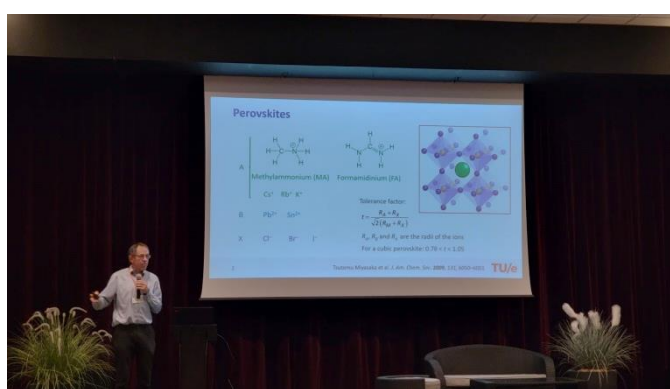
 **SCIENTIFIC MEETINGS** 

- **12.06.2022** – dr **Sandra Pluczyk-Malek** gave a lecture entitled „**Electrochemical and spectroelectrochemical studies in the properties analysis of organic electroactive materials** (*Badania elektrochemiczne i spektroelektrochemiczne w analizie właściwości elektroaktywnych materiałów organicznych*)” within the Electrochemistry Section of PTChem, The lecture was held by ZOOM platform.
- **6th International Workshop on Nano and Biophotonics (IWNBP 2022), Sept. 25-30<sup>th</sup> of September 2022**  
[\(https://iwnbp2022.sciencesconf.org/\)](https://iwnbp2022.sciencesconf.org/)

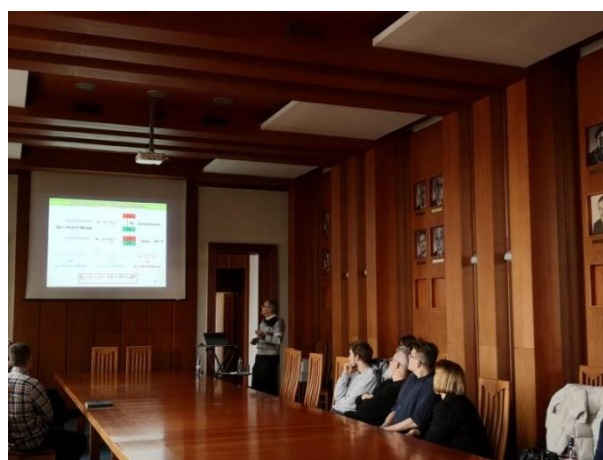
At the end of September, we spent a delightful week full of inspiring lectures and meetings during international conference, which was held in Evian-les-Bains, a small town in France on the southern shore of Lake Geneva. We took part in the organization of this multidisciplinary meeting which covered disciplines in optics, chemistry, physics, and materials sciences for photonic device applications with original optical, electronic, electrochromic, photochromic, photoluminescent or electroluminescent properties.

There were plenty of very interesting talks and due to fact that significant amount of time was devoted to discussion, it was also an excellent opportunity to deepen knowledge, find new ideas and establish new collaborations.



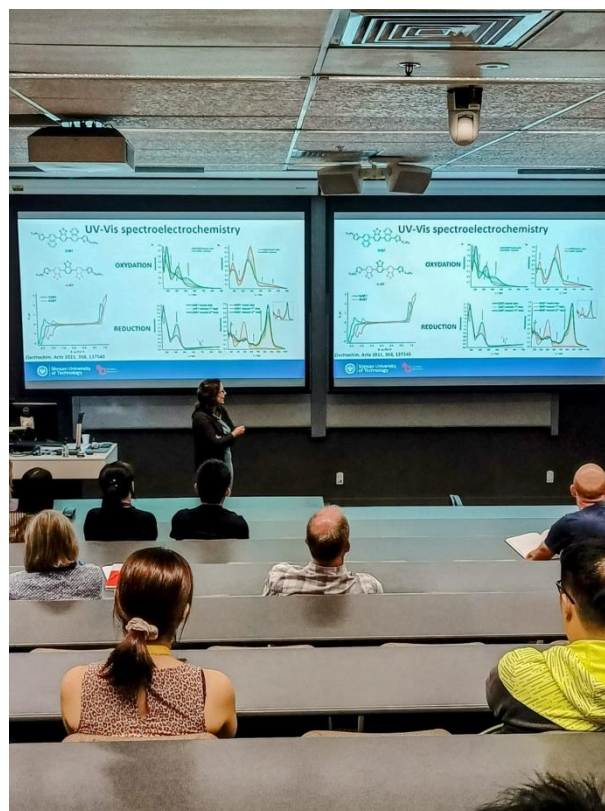
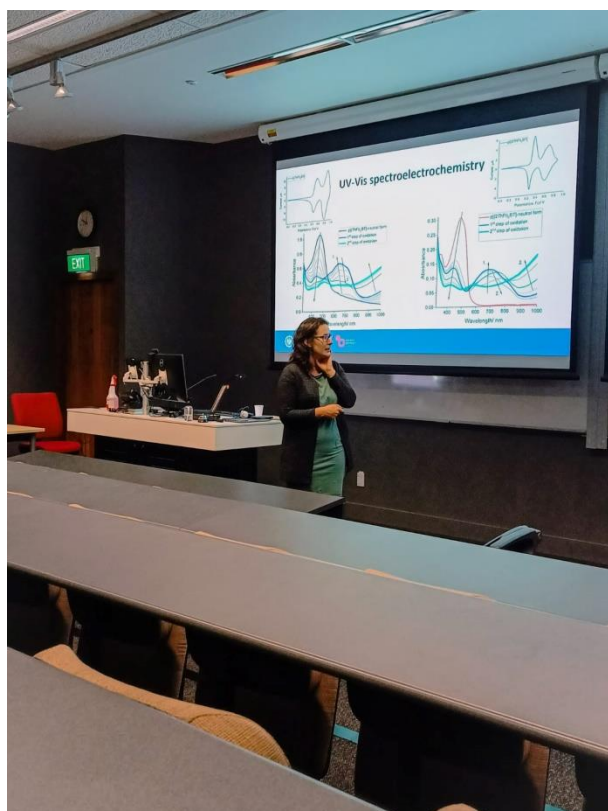


- **18.10.2022** – dr **Małgorzata Czichy** gave a lecture entitled „**Aromatyczne polimery amidowo-amidynowe**” within the Electrochemistry Section of PTChem, The lecture was held by ZOOM platform.
- **13.12.2022** – in our Council Room **prof. Igor Perepichka**, our new Era Chair Holder, gave a lecture entitled “**Organic  $\pi$ -Conjugated Molecules and Polymers for Optoelectronics. From Molecular Design to Device Applications**”.



The ExCEED project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 952008

- **17.03.2023** – Dr Sandra Pluczyk-Malek gave a seminar entitled "Electrochemical and spectroelectrochemical analysis of organic electroactive materials for optoelectronic applications" at The University of Auckland. Dr Pluczyk-Malek spent one month at the University of Auckland in New Zealand in the group of prof. Jadranka Travaš-Sejdić, where she has gained practical and theoretical knowledge about techniques of characterization of electroactive material, which are used in prof. Travaš-Sejdić's group as well as shared her knowledge with Young Researchers during personal and group discussions.



- **21.03.2023** – In our Council Room at 11:00 AM (M. Strzody 9, 205) **prof. Jean Roncali** gave a guest lecture entitled „Design of functional  $\pi$ -conjugated systems for advanced applications”.

Prof. Roncali is an outstanding scientist, he is a co-author of more than 350 scientific papers cited more than 30 000 times (H = 79), 22 patents, as well as 185 conference proceedings. His main scientific interests include the design and synthesis of functional  $\pi$ -conjugated systems for electrode materials, self-organized nanostructures, molecular electronics, organic semiconductors, OFETs, OLEDs, and solar cells.

- **15.05.2023** – At the Faculty of Chemistry Council Hall (M. Strzody 9, room 205), **prof. Serge Cosnier** gave a guest lecture entitled „Bioelectrocatalytic materials based on carbon nanotubes and glyconanoparticles”.

Prof. Serge Cosnier is Emeritus Director of Research at CNRS at the Grenoble University (France). He is a member of the Academia Europaea, member of the European Academy of Sciences and Fellow of the American Institute for Medical and Biological Engineering. His activity is focused on molecular electrochemistry and bioelectrochemistry with the development of biosensors, biofuel cells and bio-nanomaterials based on carbon nanotubes. Prof. Cosnier has authored over 402 publications (h-index Web of Science 71, Google Scholar 84), 3 books and 20 book chapters, and holds 20 patents



- **22.06.2023** – Our Era Chair Holder, prof. Igor Perepichka, gave a lecture for Polish Chemical Society

The lecture, entitled “**Light-emitting  $\pi$ -conjugated polymers and oligomers for optoelectronics**“, took place on Thursday, June 22, 2023. at. 18:00 in the Czochralski’s Hall in the Warsaw University of Technology, Faculty of Chemical Technology (ul. Koszykowa 75).

[https://ptchem.waw.pl/igor-f-perepichka-light-emitting-p-conjugated-polymers-and-oligomers-for-optoelectronics/?fbclid=IwAR0qTr99w4\\_aL4FsWZGtxAqztaCT29L4AOSMf9dTR78KmxCdDMafUw7cnG0](https://ptchem.waw.pl/igor-f-perepichka-light-emitting-p-conjugated-polymers-and-oligomers-for-optoelectronics/?fbclid=IwAR0qTr99w4_aL4FsWZGtxAqztaCT29L4AOSMf9dTR78KmxCdDMafUw7cnG0)

- **23.06.2023** – Lecture of Prof. Igor F. Perepichka during the 19th Warsaw Seminar ChemSession’23

Prof. Igor F. Perepichka gave a lecture entitled “**Organic p-functional molecules and polymers. From molecular design to applications in organic electronics**” during the 19th Warsaw Seminar of PhD Students of Chemistry ChemSession’23.

The lecture took place on Friday, June 23, 2023 in the Faculty of Mathematics and Natural Sciences of the University of Cardinal Stefan Wyszyński (Street Wóycickiego 1/3, Warsaw).

<https://chemsession.pl/?fbclid=IwAR3t3HmC2JIVvwyn-w0gjeuo9nQ0FI4h6--y1Wx0XhoFTLaXNGDqFiShQ88>





## Publications



- **23.02.2023**

Che, Y.; Niazi, M.R.; Yu, T.; Maris, T.; Liu, C.-H.; Ma, D.; Izquierdo, R.; Perepichka, I.F.; Perepichka, D.F. Nitrofluorene-Based A–D–A Electron Acceptors for Organic Photovoltaics. *J. Mater. Chem. C* **2023**, 8186–8195. (<https://doi.org/10.1039/d2tc05127c>).



## Upcoming events



- End of **September 2023**, we will organize the workshop which will be held in our new Centre for Organic and Nanohybrid Electronic. It will cover lectures and visit in new laboratories. An important amount of time will be devoted to discussions!
- **October 2023**, within the 7th edition of Business-to-Science Science-to-Business conference **InterNanoPoland** (<https://internanopoland.com/>), we are organizing the panel called **Organic, carbon and hybrid nanoelectronics**. **InterNanoPoland** is an international forum for scientists, entrepreneurs, business support organizations, and students working in nanotechnology and advanced materials sector. **INP2023** presents the newest scientific and industrial achievements in the field of nanotechnology and will enable a dialogue between the world of science and business.
- **February 2024** we are organizing winter meeting in Polish mountains (Hotel Meta in Szczyrk). This will be international workshop provides an interdisciplinary forum for scientists working in the field of molecular and polymeric and carbon materials with emphasis on new phenomena in electronics and nanophotonics.
- **June 2024**, we invite you to Gdansk, beautiful city located on the Baltic coast, where the international conference will be held, which we have just started organizing.

