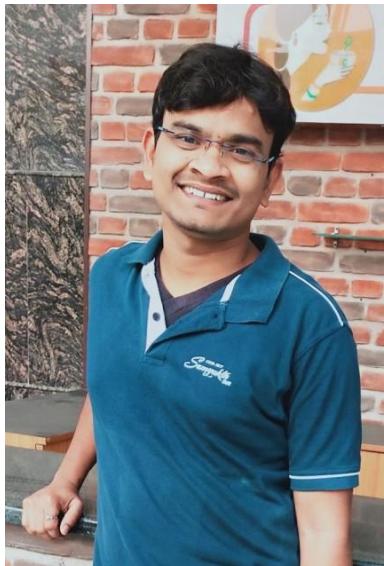


Newsletter VI (01.05.2024 - 31.08.2024)

NEWS

- Next Experience Researchers have joined our Team**

On May 2024 two experience Researchers have joined our Team: Dr. Jonnadula Venkata Suman Krishna and Dr. Manohar Reddy Busireddy



Dr. Jonnadula Venkata Suman Krishna ([ORCID ID: 0000-0002-4342-2276](#)) is an expert in design and synthesis of functional organic materials for various optoelectronic applications. His research interests covers such areas as:

- Synthesis of Functional organic small materials for Optoelectronics
- Tetra pyrrolic molecules (Porphyrins and Phthalocyanines)
- Hole Transport Materials for Perovskite solar cells
- Dye sensitised solar cells
- Organic Electro catalysts for Water oxidation



Dr. Manohar Reddy Busireddy ([ORCID ID: 0000-0002-0997-3007](#)) is an expert in the design and synthesis of novel organic small molecules/polymers for organic photovoltaics, sensors, mechanical, and low-dielectric applications. His research interests covers such areas as:

- Synthesis of small molecular donor/non-fullerene acceptor materials and polymers for OSC applications.
- Solution-process OSCs device fabrication and measurements.
- Synthesis of organic fluorescent probes for the detection of biologically relevant metal ions.
- Synthesis of novel polyimides and their thermal, mechanical, and dielectric applications.

- Multi-step synthesis of heterocyclic and aliphatic compounds at industry level.



- Development of green and sustainable approaches for selective halogenation on heterocyclic compounds.

SCIENTIFIC MEETINGS

- **International Conference on Organic and Nanohybrid & Functional Materials (ICON FM), 10-14.06.2024, Gdańsk, Poland**

We have organized an International Conference on Organic and Nanohybrid & Functional Materials (ICON FM), which was held in Gdańsk, one of the most beautiful Polish cities, located on the Baltic coast.

This conference was a pioneering and unique scientific and technological event on a global scale. In addition to mutual inspiration and the creation and development of multidisciplinary international cooperation, ICON FM serves to push the boundaries of knowledge towards the synthesis of de novo designed molecules and multidimensional (from 1D to 3D) nanomaterials. With the primary goal of producing multifunctional devices and system solutions for the modern electronics, energy, and sustainability.

During the meeting, outstanding scientists, technologists, and entrepreneurs shared their discoveries, inventions, experiences and views on these dynamically developing areas.

This event undoubtedly provided not only with knowledge, but also with a huge dose of inspiration!




	Monday 10 th June	Tue 11 th June	Wed 12 th June	Thu 13 th June	Fri 14 th June
08:00-09:00		Breakfast	Breakfast	Breakfast	Breakfast
09:00-09:45		Plenary Speaker FEDERICO ROSEI	Plenary Speaker IFOR SAMUEL	QSAR Lab Lecture and workshop (with coffee!) on computer design and analysis of new, safe chemicals, nanotechnology, nanotoxicology, chemical statistics, and chemometrics	
09:45-10:15		<i>Invited Speaker IGOR PEREPICHKA</i>	<i>Invited Speaker ELENA MENA-OSTERITZ</i>		
10:15-10:35		Contributed Talk ADAM GORCZYŃSKI	Contributed Talk SAMEER RAHATEKAR		
10:35-11:30		Coffee break + Poster session	Coffee break + Poster session		
11:30-12:15		Plenary Speaker ADAM PROŃ	Plenary Speaker MOHAMED CHEHIMI		
12:15-12:45	ARRIVAL	<i>Invited Speaker ARTUR CIESIELSKI</i>	<i>Invited Speaker MAREK KRÓLIKOWSKI</i>		
12:45-13:05		Contributed Talk MARZENA DZIDA	Contributed Talk DARIUSZ MATOGA		
13:05-14:30		Lunch	Lunch		
14:30-15:15		Plenary Speaker PIERRE AUDEBERT	Plenary Speaker MIECZYSŁAW ŁAPKOWSKI		
15:15-15:45		<i>Invited Speaker MIŁOSZ PAWLICKI</i>	JONNADULA VENKATA SUMAN KRISHNA KRZYSZTOF CWYNAR		
15:45-16:05		Contributed Talk DAWID PAKULSKI	Contributed Talk KAROLINA MIŁOWSKA		
16:05-16:20		ILLIA SERDIUK	MONIKA WAŁĘSA-CHORAB		
16:20-17:00		Coffee break + Poster session	Coffee break + Poster session		
17:00-17:15		JĘDRZEJ WALKOWIAK	AGNIESZKA JASTRZĘBSKA		
17:15-17:30		RAJA SEBASTIAN	KATARZYNA KACZMAREK		
17:30-17:45		JAMEEL BASSAM	SŁAWOMIR BONCEL		
17:45-18:00		PAULINA BŁASZKIEWICZ	Free time		
18:00-18:15		ANNA KOLANOWSKA			
18:15-18:30		AGNIESZKA ŁĘKAWA-RAUS			
19:00-19:15	OPENING CEREMONY	Free time			
19:15-20:15	Keynote Speaker PETER BÄUERLE				
20:15-22:00	Welcome reception				



 **CONE SCIENTIFIC SEMINARS** 

- Guest lecture by Prof. Fernando B. Dias



On May 23, in the Centre for New Technologies (CNT, Konarskiego 22B, Aula B) Prof. Fernando B. Dias from Durham University's Department of Physics, UK gave a lecture entitled "Optical Spectroscopy of Organic Materials: From Molecular Photophysics to Devices".

Prof. Dias is a leading expert in using optical spectroscopy techniques to study electroactive materials, including cutting-edge research on organic light-emitting diodes (OLEDs), delayed fluorescence (TADF), and room temperature phosphorescence (RTP) emitters. With an impressive 126 scientific publications cited 7,728 times and a Hirsch index of 47, Prof. Dias is at the forefront of this exciting field.

- Guest lecture by Dr. Ichiro Imae



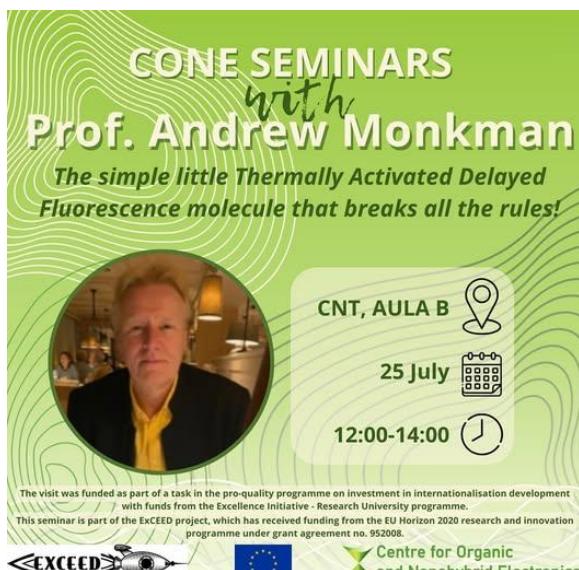
On June 28th, in the Centre for New Technologies (CNT, Konarskiego 22B, Aula A) Dr. Ichiro Imae from Hiroshima University gave a lecture entitled "Electrochemical control and quantification of carrier density and side-chain engineering of π -conjugated polymers"

Dr. Ichiro Imae is an expert in organic materials, holding a PhD from Osaka University, he is coauthor of over 130 scientific papers (HI=31).





- **Guest lecture by Prof. Andrew Monkman**



On July 25th in the Centre for New Technologies (CNT, Konarskiego 22B, Aula B) Prof. Andrew Monkman, Head of the Organic Electroactive Materials Research Group at the University of Durham, gave a lecture “The simple little Thermally Activated Delayed Fluorescence molecule that breaks all the rules!

Professor Monkman delved into the groundbreaking development of TADF emitters and their impact on the OLED world, focusing on the unique properties and efficiencies of spiro-linked TADF materials. It was a fantastic and enlightening session, leaving everyone inspired and excited about the future of OLED technology.

Thank you, Professor Monkman, for sharing your invaluable insights with us!





WORKSHOPS

- **"How to Prepare EU R&D Proposals?" workshop**

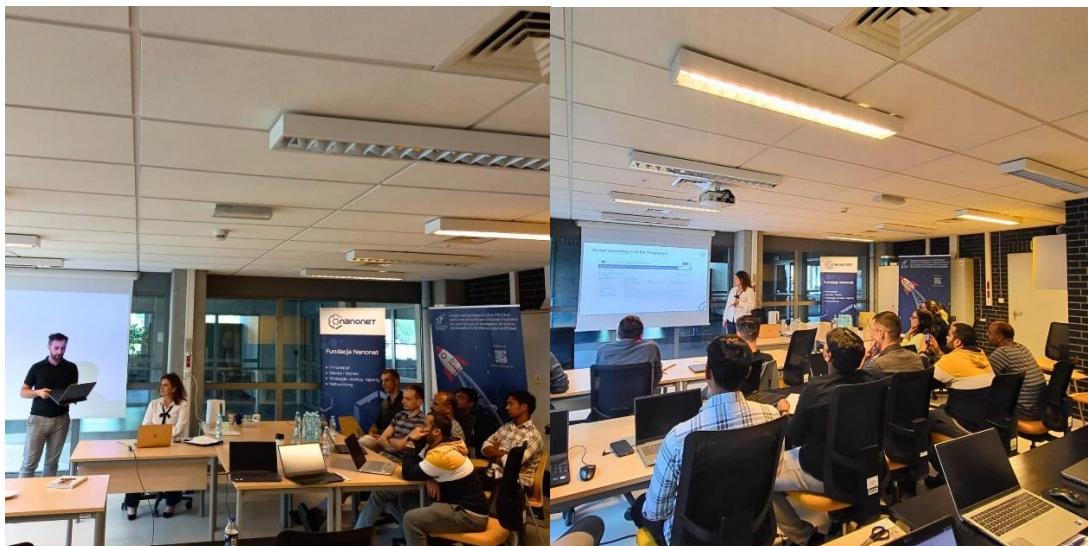
On May 9th, 2024, we hosted an insightful workshop titled "How to Prepare EU R&D Proposals?"

The workshop was structured around four key topics:

- Introduction to EU R&D Funding
- Proposal Development - Essentials
- Proposal Writing - Fundamentals
- Practical Exercises and Q&A

This comprehensive training was attended by employees from CONE and the Faculty of Chemistry of Politechnika Śląska. The workshop was led by Magdalena Cholewińska-Falarz, an expert in European Funds and securing funding for innovative projects. She specializes in business development and creating innovative strategies.

Organized in collaboration with the [Fundacja Wspierania Nanonauk i Nanotechnologii NANONET](#) event was a great success, providing valuable knowledge and skills to all participants.





OTHER EVENTS

- The colorful experiments and interactive demonstrations**

On May 17, 2024, together with the Chemistry Students Research Society, we visited Municipal Kindergarten No. 12 Ruda Śląska to show children how magical science can be. The children were enchanted by the colorful experiments and interactive demonstrations. We presented the wonders of chemistry, sparking their interest in science and encouraging them to explore the world around them.




ACHIEVEMENTS

- New research project under the OPUS 26 call organized by the National Science Center**

Prof. Igor Perepichka, Era Chair Holder, with new project



We are pleased to announce that Prof. Igor Perepichka is among the scientists who were qualified to receive funding for their research under the OPUS 26 call organized by the National Science Center.

The topic of the project is *“Novel Azatriangulenes as Electron Donor and Electron Acceptor C3-Symmetry Cores for Design of pi-Functional Materials in Organic Electronic”* and the funding is PLN 2,104,500.

Congratulations and we wish you further success!

<https://www.ncn.gov.pl/konkursy/wyniki/2023-05-24-opus26-sonata19>

<https://www.ncn.gov.pl/sites/default/files/listy-rankingowe/2023-09-15-akizood8c/streszczenia/606674-pl.pdf>



 **UPCOMING EVENTS** 

- **Organic, Carbon, and Hybrid Nanoelectronics" - scientific panel**

We are organizing scientific panel “Organic, Carbon, and Hybrid Nanoelectronics”, which is a part of the largest science-business international conference InterNanoPoland which will be held on October 16–17, 2024 in Novotel hotel in Katowice. <https://internanopoland.com/>



- **Witches Week**

We are co-organizers of Witches Week, the forty-third of the 50 Weeks in the City of Science. The event takes place as part of the celebrations of the European City of Science, which run throughout 2024. Witches are going to kidnap children and young people... and take them to a rally, where they will prepare potions in cauldrons and retorts and cast matter-transforming spells. Adults will have a chance to listen to the stories of seasoned magicians about the golden age of alchemy, i.e. right now!

The aim of Witches Week is to present exciting and cutting-edge chemistry in interactive activities and talks with enchanting scientists from Silesia, Poland, and the world.

There will be no shortage of stories, as well as magic practices involving the latest generation of materials for witchcraft avionics. We will present carbon nanotubes enhance the invisibility effect from radar, organic electronics and their plethora of tunable colours, and many multifunctional materials that constantly surpass the dreams of the magicians themselves. It's going to be a magical week!

More information on the event website: <https://program.miastonauki.pl/en/witches-week>





Exceed: Creation and development of an ERA Chair and Centre of Excellence in Organic Electronics in Poland



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