

About ORZEL Project

Orzel is an EU-funded project aiming at boosting the scientific excellence and technology-transfer capacity in organic electronics of the Silesian University of Technology (SUT) in Poland. The project creates a network between SUT and the University of Durham (UK), Commissariat à l'énergie atomique et aux énergies alternatives (CEA, France) and Eindhoven University of Technology (Netherlands). This network allows staff exchanges, training workshops, conferences, summer/winter schools, and dissemination and outreach activities in three scientific priorities:

- Innovative organic light emitting diodes (OLED)
- Advanced characterisation of charge transport in organic electronics
- Advances in organic solar cells (OSC)

The Orzel project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 691684.

The consortium agreement was signed between SUT and UDUR, INAC and TUE.

[The Orzel Project has currently been running for 10 months.](#) During its short time, activities have been well underway, including two organisational meetings, three lecture sessions and several staff and knowledge transfer exchanges between different institutions.

An overview of last few months' events:

[ORZEL PROJECT KICK-OFF MEETING IN AUSSOIS, FRANCE MARCH 2016](#)

The Silesian University of Technology, as coordinator of the Orzel project, organised a kick-off meeting in Aussoie (France) on 25 March 2016. All the consortium partners -SUT, University of Durham, CEA-INAC and TU Eindhoven- met for the official launch of the project. The Orzel project, which focuses on organic electronics, will provide the partners with opportunities to train each other, exchange staff, organise conferences, and improve their scientific reputations through dissemination and outreach activities. The consortium will continue to communicate its activities on a regular basis and will hold regular annual meetings to.



THE PROJECT'S TWO-DAY MEETING IN GLIWICE IN MAY 2016

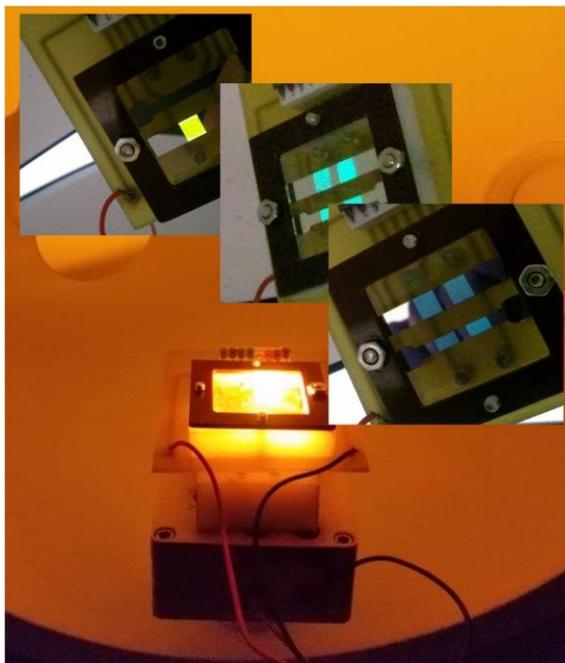
The project's two-day meeting was held from 30-31 May 2016 on the SUT campus in Gliwice, Poland. On the first day of the meeting, Dr Stéphanie Pouget and Dr David Djurado from INAC presented their latest research on the self-assembly of semiconducting molecules for organic (opto)electronic applications. Dr Heather Cole and Dr Przemyslaw Data from UDUR have presented the idea and the physical fundamentals of thermally activated delayed fluorescence (TADF) and presented the latest results of their research in this area.



THE STAFF EXCHANGE BETWEEN SUT AND UDUR

Two researchers from the SUT held a two-month long internship in UDUR in May and June, and in late November and early December, another person held one month internship. During their stay in England researchers from SUT became familiar with photophysical studies on organic luminescent materials. They also gained experience in the preparation and testing of OLEDs devices.

In June, two scientists from UDUR started 1-month exchange to the SUT. During their stay, they became acquainted with electrochemical and spectro-electrochemical techniques that are available at SUT.



THE STAFF EXCHANGE BETWEEN SUT AND INAC

During September, two researchers from SUT spent time at CEA-INAC in Grenoble, France. During their month-long stay they became familiar with various methods of characterization of charge transport in organic semiconducting materials.



LECTURES AT SILESIA HIGH SCHOOL NOVEMBER 2016

On the 14th of November 2016, Dr Małgorzata Czichy from the Silesian University of Technology has given a lecture entitled "Organic electronics" to students of the 4th High School in Sosnowiec. During this lecture, students learned what are the differences, pros and cons of organic and inorganic semiconducting materials, what problems are currently being solved in the field of organic electronics and what are perspectives of organic electronics in future.



WINTER SCHOOL 2017

Winter School entitled "**Advanced characterization of structure and transport properties of organic semiconductors**" organized by ORZEL project was held from 30.01.2017 till 01.02.2017 in Szczyrk, Poland. The winter school was devoted to latest achievements in the area of organic electronics presented by top-class researchers.



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Incoming events:

WOREN 2018

We are inviting you to participate in 5th Workshop on Organic Electronics and Nanophotonics (WOREN), which will be held in Hotel Stok in Wisla (Poland), 11-15.02.2018.

WOREN 2018 conference is organized by Department of Physical Chemistry and Technology of Polymers, Faculty of Chemistry, Silesian University of Technology and ORZEL EU project. <http://woren2018.organicelectronics.co.uk/>



IWNBP 2017

IWNBP 2017 - 4th International Workshop on Nano- and Biophotonics was held in Vogüé (France) on 24th-29th September 2017.

More information on this event at website:

<https://iwnbp2017.sciencesconf.org/>



For more information please visit our website: <http://www.orzel-project.com/>

