

Przemyslaw Data

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EDUCATION

Silesian University of Technology, Faculty of Chemistry, Department of Physical Chemistry and Technology of Polymers, Gliwice, Poland

- **Ph.D. in Chemistry**, 01.2013
Dissertation topic: *Electrochemical and spectroelectrochemical investigation of phenylenevinylene derivatives with furan, thiophene, selenophene and tellurophene substituents.*
Areas of specialization: Conjugated Polymers, Electrochemistry, Physical Organic Chemistry, Photochemistry.
- **M.Sc. Eng. in Chemistry**, 07.2008
Dissertation topic: *Spectroscopic and electrochemical properties of polythiophenes with photochromic substituents.*
Specialty: Materials and Fine Chemicals.

ACADEMIC AND RESEARCH CAREER

- Since 01.2019 Professor**
Silesian University of Technology, Faculty of Chemistry, Department of Physical Chemistry and Technology of Polymers, Gliwice, Poland
- 12.2017 – 12.2018 Associate Professor**
Silesian University of Technology, Faculty of Chemistry, Department of Physical Chemistry and Technology of Polymers, Gliwice, Poland
- 10.2014 – 11.2017 Assistant Professor**
Silesian University of Technology, Faculty of Chemistry, Department of Physical Chemistry and Technology of Polymers, Gliwice, Poland
- 10.2012-09.2014 Research Assistant**
Silesian University of Technology, Faculty of Chemistry, Department of Physical Chemistry and Technology of Polymers, Gliwice, Poland
- 05.2017 – 12.2018 OLED Scientific Officer**
Durham University, Department of Physics, Durham, United Kingdom
- 05.2015 – 04.2017 Marie Curie Experienced Research Fellow**
Durham University, Department of Physics, Durham, United Kingdom
- Since 09.2007 Experienced Researcher**
Centre of Polymer and Carbon Materials, Polish Academy of Sciences, Laboratory of Polymer Materials for Nonlinear Optics and Optoelectronics, Zabrze, Poland

HONORS AND AWARDS

- 2019** Nomination to SYMBOL Award 2019
- 2019** Silesian Science Award 2019
- 2018** Individual Special Award of Rector of Silesian University of Technology for Organisation Achievements.
- 2018** Individual Award of Rector of Silesian University of Technology for Scientific Achievements.
- 2018** Nomination to Golden Engineer 2018 – Technical Review.
- 2018** Member of Royal Society of Chemistry
- 2018** Nomination to the Top 10 European Talents MIT Technology Review's Innovators Under 35.
- 2017** Winner of the Top 10 Polish Talents MIT Technology Review's Innovators Under 35.
- 2017** Individual Special Award of Rector of Silesian University of Technology for Organisation Achievements.
- 2017** Group Award of Rector of Silesian University of Technology for Scientific Achievements.
- 2016** Winner of the Polish Ministry of Science and Higher Education Outstanding Young Scientists Scholarship.
- 2016** Individual Award of Rector of Silesian University of Technology for Scientific

- Achievements.
- 2015** Marie Skłodowska-Curie Actions Individual Fellowship owner TADFORCE “*Strengthening and survey beyond the knowledge of the TADF emitters as materials for superefficient OLED devices*”, Funded by European Commission under call H2020-MSCA-IF-2014
 - 2015** Winner of the competition for grant proposal for Marie Skłodowska-Curie Actions Innovative Training Networks EXCILIGHT “*Donor-Acceptor light emitting exciplexes as materials for easily to tailor ultra-efficient OLED lighting*”, Funded by European Commission under call H2020-MSCA-ITN-2015
 - 2014** Polish Prime Ministry Award for Outstanding Doctoral Dissertation
 - 2014** J. Binkiewicz Award for Outstanding Doctoral Dissertation
 - 2013** Individual Award of Rector of Silesian University of Technology for Scientific Achievements
 - 2013** Mobility fellowship owner “*Exciplex based devices yielding very low turn on voltages and high efficiency exploiting E-type delayed emission*”, Funded by Polish Ministry of Science and Higher Education, project 932/1/MOB/12/2013/0
 - 2013** Winner of the competition for scientific projects, project manager “*Physicochemical characterization of thin layers of organic conjugated compounds on different substrates*”, Funded by Polish Ministry of Science and Higher Education, project IP2012 039572’
 - 2013** J. Binkiewicz Award for Scientific Achievements
 - 2012** Winner of the competition for scientific projects, project manager “*Investigation of photo and electroactivity of polymeric derivatives of selenophenes and tellurophenes for optoelectronic application*”, Funded by Polish National Science Centre, project 2011/03/N/ST5/04362
 - 2010** Winner of competition and scholarship holder of Innovative Young Researcher. “*The use of ink-jet printing technology and conductive polymers for creating a complex structures of OLED and photodiodes on flexible substrates*”

SCIENTIFIC TRAININGS AND FELLOWSHIPS

- 09.2018 – 10.2018** Universidade Federal de Santa Catarina (Brazil)
- 03.2018 – 05.2018** Eindhoven University of Technology (Netherlands)
- 10.2013 – 04.2015** Durham University (United Kingdom)
- 07.2013 – 09.2013** University of Sao Paulo at Sao Carlos (Brazil)
- 11.2012 – 12.2012** Kaunas University of Technology (Lithuania)
- 23 – 27.04.2012** Electrochemical Impedance Spectroscopy course, Sopot (Poland)
- 8 – 13.11.2009** 7th European short course on “Principles and Applications of Time-Resolved Fluorescence Spectroscopy”, Berlin (Germany)

SCIENTIFIC PROJECTS

- 2018 – 2021** Project FNP First Team no 2017-4/32
„*Novel, highly efficient TADF, RTP emitters for organic light emitting diodes*“
Position: Project coordinator
- 2018 – 2021** Project NCN no 2017/25/B/ST5/02488
„*Low turn-on voltage exciplexes based optoelectronic devices. Novel application of E-type delayed fluorescence*“
Position: Project coordinator
- 2018 – 2022** Project no H2020-MSCA-RISE-2017/778158 OCTA
„*Organic Charge Transfer Applications*“
Position: Project coordinator
- 2016 – 2019** Project no H2020-TWINN-2015/ 691684 ORZEL
„*Boosting the scientific excellence and innovation capacity in organic electronics of the Silesian University of Technology*“
Position: Project coordinator
- 2015 – 2019** Project no H2020-MSCA-ITN-2015/674990 EXCILIGHT
„*Donor-Acceptor light emitting exciplexes as materials for easily to tailor ultra-efficient OLED lighting*“

- Position: Project coordinator
2015 – 2017 Project no H2020-MSCA-IF-2014/659288 TADFORCE
 „*Strengthening and survey beyond the knowledge of the TADF emitters as materials for superefficient OLED devices*“
 Position: Project coordinator
2013 – 2015 Project no IP2012 039572
 „*Physicochemical investigation of thin organic layers of conjugated compounds on different substrates*“
 Position: Project coordinator
2013 – 2015 Project no 932/1/MOB/12/2013/0
 „*Exciplex based devices yielding very low turn on voltages and high efficiency exploiting E-type delayed emission*“
 Position: Project coordinator
2013 – 2016 Project no 2012/05/B/ST5/00745
 „*Complex electrochemical and spectroelectrochemical characteristic of star-shaped carbazole derivatives and its electropolymers as materials of perspective application in molecular electronics*“
 Position: Main Researcher
2012 – 2014 Project no 2011/03/N/ST5/04362
 „*Investigation of photo and electroactivity of polymeric derivatives of selenophenes and tellurophenes for optoelectronic application*“
 Position: Project coordinator
2012 – 2015 Project no 2011/03/B/ST5/02721
 „*Kesterite-like semiconductors - novel photovoltaic materials*“
 Position: Main Researcher
2012 – 2015 Project no 2011/03/B/ST5/01475
 „*New metallopolymer derivatives for molecular electronics as active materials*“
 Position: Main Researcher
2011 – 2013 Polish-Lithuanian Joint Research Project
 „*Synthesis and electrochemical studies of organic electroactive materials*“
 Position: Main Researcher
2011 – 2015 Project BIOMOLEC, 7th Framework Programme
 „*Functionalized biopolymers for application in molecular electronics and in photonics*“
 Position: Researcher
2009 – 2012 Project no N N507 326936
 „*Complex characteristic of spectroelectrochemical properties of new polymeric materials based on conjugated heterocyclic systems for molecular optoelectronics*“
 Position: Main Researcher
2008 – 2012 Project no N N205 106935
 „*New organic polymeric materials for optoelectronic and photovoltaic cells containing furan, thiophene, selenophene or tellurophene rings*“
 Position: Main Researcher

SUPERVISION AND CO-SUPERVISION OF MASTER AND PHD STUDENTS

- 2009 – 2019** 13 Master Students
 Faculty of Chemistry/ Department of Physical Chemistry and Technology of Polymer/ Silesian University of Technology/ Poland
2013 – 2019 5 PhD Students
 Faculty of Chemistry/ Department of Physical Chemistry and Technology of Polymer/ Silesian University of Technology/ Poland
 1 PhD Student
 Department of Physics/ Durham University/ United Kingdom

MAJOR ACADEMIC COLLABORATIONS

- prof. Andrew Monkman, photophysics of conjugated compounds, Department of Physics, Durham University, United Kingdom
- prof. Juozas Grazulevicius, synthesis of carbazole based compounds, Department of Organic Technology, Kaunas University of Technology, Lithuania

- prof. Gordon Wallace, synthesis of conjugated polymers for optoelectronics, Intelligent Polymer Research Institute, University of Wollongong, Australia
- prof. Saulius Jursenas, photophysical analysis of organic compounds, Institute of Applied Research, Vilnius University, Lithuania
- prof. Peter Skabara, synthesis of ambipolar compounds, Department of Pure and Applied Chemistry, University of Strathclyde, United Kingdom
- prof. Pierre Audebert, synthesis of triazine and tetrazine derivatives, Department of Chemistry, Ecole Normale Supérieure de Cachan, France

MAJOR INDUSTRY COLLABORATIONS

- dr. Joao Gomes, scale-up of device process, The Centre for Nanotechnology and Smart Materials, Portugal
- dr. James Kingsley, solution processable devices, Ossila Ltd., United Kingdom
- dr. Daniel Zink, synthesis of emitters and device engineering, Cynora GmbH, Germany
- dr. Christof Pflumm, synthesis of emitters and device engineering, Merck KGaA, Germany

OTHER

- 74 publications from ISI Master Journal List with total 1440 citations (PoP) and 359.63 total Impact Factor
- H-index 20 (PoP), 19 (Scopus)
- 55 presentations at international conferences (10 invited speaker)