Przemyslaw Data

www.przemyslawdata.com

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 Polish Intelligent Development Award 2019
2019 SYMBOL Award 2019
2019 Individual Special Award of Rector of Silesian University of Technology for Organisation Achievements.
2019 Individual Award of Rector of Silesian University of Technology for Scientific Achievements.
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

09.2019 – 10.2019 Universidade Federal de Santa Catarina (Brazil)

04.2019 – 05.2019 Osaka University (Japan)

02.2019 – 02.2019 National Taiwan University (Taiwan)

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

2019 – 2022 Project NCN no 2018/31/B/ST5/03085
„ *New Guest-Host type materials for organic light emitting transistors* "
Position: Project coordinator

2018 – 2023 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 Kingdome

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 Superieure 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

- 81 publications from ISI Master Journal List with total 2044 citations (PoP) and 402.23 total Impact Factor
- H-index 22 (PoP), 21 (Scopus)
- 55 presentations at international conferences (10 invited speaker)