



## ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

### DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

#### 1. Basic information

Name, surname:	Maciej Mulak
Grade / Title:	Dr inż, prof. uczelni
Scientific discipline	<b>nauki fizyczne/ physical sciences</b>
Faculty:	W11 Wydział Podstawowych Problemów Techniki / Faculty of Fundamental Problems of Technology
Email address:	Maciej.Mulak@pwr.edu.pl

#### 2. Publication record

*Up to 10 most important papers published over the period of previous 10 years.*

No.	Description (authors, publication title, journal / conference, DOI)	Publication year
1.	<b>Maciej Mulak</b> , Jacek Mulak Inadequacy of the fitted crystal field parametrizations. Case study: the fourth-order crystal field splitting moment in cubic systems. Physica Status Solidi. B, Basic Solid State Physics. vol. 259, Iss. 6	<b>2022</b>
2.	<b>Maciej Mulak</b> , Jacek Mulak Single-state crystal field parametrization in the cubic symmetry systems. Physica Status Solidi. B, Basic Solid State Physics. Invited article - 60 years of pss, vol. 258, Iss. 7	<b>2021</b>
3.	<b>Maciej Mulak</b> , Jacek Mulak Crystal field rotational invariants: a new light on the crystal field effects. Physica Status Solidi. B, Basic Solid State Physics. vol. 257, nr 8	<b>2020</b>
4.	<b>Maciej Mulak</b> , Jacek Mulak Do we properly understand the fitted crystal-field parameters? Physica Status Solidi. B, Basic Solid State Physics. vol. 256, nr 12	<b>2019</b>
5.	<b>Maciej Mulak</b> , Jacek Mulak The second and third crystal field splitting moments in verification of the trigonal and hexagonal crystal field parametrizations. Physica Status Solidi. B, Basic Solid State Physics. vol. 255, nr 8	<b>2018</b>
6.	<b>Maciej Mulak</b> , Jacek Mulak The crystal field splitting third moment in crystal field analysis: the tetragonal symmetry case. Physica Status Solidi. B, Basic Solid State Physics. vol. 254, nr 10	<b>2017</b>
7.	<b>Maciej Mulak</b> , Jacek Mulak The crystal-field splitting third moment in determination of the crystal-field Hamiltonian parametrization. The cubic symmetry case. Physica Status Solidi. B, Basic Solid State Physics. vol. 253, nr 8	<b>2016</b>
8.	<b>Maciej Mulak</b> , Jacek Mulak A direct algebraic parametrization of the high-symmetry crystal-field Hamiltonians. Physica Status Solidi. B, Basic Solid State Physics. vol. 252, nr 10	<b>2015</b>


### 3. Projects and grants

List of the most important 5 projects/grants with basic description including: title, source(s) of funding, name of the call, role in the project (e.g., principal investigator).

	In the years 2005 to 2022 cooperation with the Low Temperature & Structural Research Institute PAN in Wrocław

#### 4. International experience

*Brief description of international cooperation and experience (e.g., research stays, cooperation with foreign entities, coordination or participation in international projects or programmes, keynote speeches and presentations delivered at renowned international conferences, visiting professor stays, invited lectures).*

No.	Description	Year(s)
1.	Several workshops in Trieste, Italy, in the Abdus Salam Centre for Theoretical Physics	1994 - 1999
2.	Half a year stay in Stoke on Trent, England (Master Degree)	1993
	Certificate of Proficiency in English (2002)	

## 5. Experience in teaching doctoral students

*Brief description of experience in teaching doctoral students (e.g., courses in doctoral schools and PhD studies, summer/winter schools for doctoral students, tutorials, trainings, etc.).*



## 6. List of supervised doctoral students

*List of all supervised doctoral students that defended the PhD including: name of the student, dissertation title, year of awarding PhD.*

## 7. Prizes and awards

*The most important national and international prizes and awards related to research, development and teaching activities.*

No.	Description	Year
1.	Medal KEN	2024
2	Srebrny Medal za Długoletnią Służbę przyznany przez Prezydenta Rzeczypospolitej	2023

## 8. Other significant achievements

*Information on other significant achievements related to research, development and teaching activities.*

Finał Ogólnopolskiego Konkursu Popularyzator Nauki w kategorii Naukowiec 2024