

Curriculum Vitae

Witold Majdak

Personal data:

- Name and surname: **Witold Majdak**
- Date of birth: July 31, 1978
- Place of birth: Bielsko-Biala, Poland
- Nationality: Polish
- e-mail: majdak@agh.edu.pl
- Website: <http://wms.mat.agh.edu.pl/~majdak/en/>

Scientific degrees:

- 2002: *Master's degree in theoretical mathematics*, Faculty of Mathematics, Physics and Computer Science, Jagiellonian University, Krakow, Poland; Advisor: Prof. Jan Stochel
- 2007: *PhD in mathematics (the diploma with distinction)*, Faculty of Mathematics and Computer Science, Jagiellonian University, Krakow, Poland; Advisor: Prof. Jan Stochel
Title of the thesis: *Lifting of operators intertwining subnormal operators*

Employment: Faculty of Applied Mathematics, AGH University of Science and Technology, Krakow, Poland

- 2002-2008: *assistant*,
- 2008-2017: *adiunct*,
- from 2017 until now: *senior lecturer*

Scientific interests: Topics from the field of functional analysis and the theory of linear operators in Hilbert spaces (in particular, subnormal operators, ergodic operator theory and spectral representations of nonselfadjoint operators).

Editorial and organizational activities:

- Assistant Editor of the journal *Opuscula Mathematica* (indexed in ESCI, Scopus, etc.)
<http://www.opuscula.agh.edu.pl/>
- Member of the Faculty Council at AGH UST
- Member of the Faculty Committee of the Education Quality at AGH UST
- Member of the Faculty Budget Committee at AGH UST
- Member of the Appeal Disciplinary Commission for Students at AGH UST
- Coordinator of the scientific seminar "Applied Functional Analysis" at AGH UST
<http://wms.mat.agh.edu.pl/~afs/en/>
- Ambassador of the Polish Mathematical Society at AGH UST

Co-organizer of scientific congresses and conferences:

- 2010 - *Functions and Operators*, Jagiellonian University, Krakow, Poland
<http://www2.im.uj.edu.pl/fao2010/>
- 2012 - *6th European Congress of Mathematics*, Krakow, Poland (*programme coordinator*)
<http://www.6ecm.pl/>
- 2015 - *Spectral Theory and Applications (STA2015)*, AGH UST, Krakow, Poland
<http://sta.appstelier.com/>
- 2017 - *Spectral Theory and Applications (STA2017)*, AGH UST, Krakow, Poland
<http://www.sta2017.wms.agh.edu.pl/>
- 2019 - *100th Anniversary Congress of the Polish Mathematical Society*, Krakow, Poland
<https://100latptm.matinf.uj.edu.pl/>

Grants:

- 2010-2013 - Member of the grant NN201 5464 38 MNSW (Jagiellonian University, Poland)

Didactic experience:

- Master and bachelor courses taught: *Mathematical analysis I, II, and III* (lectures and exercises), *Real and complex analysis* (exercises), *Functional analysis* (exercises), *Topology* (lectures), *Abstract algebra* (exercises), *Introduction to logic and set theory* (exercises), *Analysis in finite dimensional spaces* (seminar), *Linear operators in a Hilbert space* (seminar), *Bachelor seminars* (mainly on topics concerning functional analysis, operator theory and measure theory)
- Tutor of **49** bachelor defended theses and **13** defended master theses
- Scientific advisor of the Mathematics Student Association at AGH UST
- Member of the juries of the high school mathematical competitions

Prizes and awards:

- *Rector's scientific prize of the 2nd degree* (2008)
- *National Education Committee Medal* for a special contribution to education and upbringing (2016)
- *Rector's team didactic prize of the 3rd degree* (2017)

List of publications (all indexed in Web of Science):

- **Witold Majdak**, Mostafa Mbekhta, Laurian Suciu, *Operators intertwining with isometries and Brownian parts of 2-isometries*, *Linear Algebra and its Applications* 509 (2016), 168-190.
- **Witold Majdak**, Jerzy B. Stochel, *Weighted shifts on directed semi-trees: an application to creation operators on Segal-Bargmann spaces*, *Complex Anal. Oper. Theory* 10 (2016), 1427–1452.
- Ewelina Zalot, **Witold Majdak**, *Spectral representations for a class of banded Jacobi-type matrices*, *Opuscula Math.* 34 (2014), 871-887.
- **Witold Majdak**, Nicolae-Adrian Secelean, Laurian Suciu, *Ergodic properties of operators in some semi-Hilbertian spaces*, *Linear and Multilinear Algebra* 61 (2013), 139–159.
- **Witold Majdak**, Jan Stochel, *A local lifting theorem for jointly subnormal families of unbounded operators*, *Integral Equations Oper. Theory* 69 (2011), 233-246.
- **Witold Majdak**, *A lifting theorem for unbounded quasinormal operators*, *J. Math. Anal. Appl.* 332 (2007), 934-946.
- **Witold Majdak**, Zoltan Sebestyén, Jan Stochel, James E. Thomson, *A local lifting theorem for subnormal operators*, *Proc. Amer. Math. Soc.* 134 (2006), 1687-1699.