

Dariusz Marek Woźniak

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Born: 19 June, 1996- Krakow, Poland

Nationality: polish

Education

- 2020 Oct.-
Present **Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie**
(AGH University of Science and Technology)
Faculty of Physics and Applied Computer Science
PhD student
Supervisor: Bartłomiej Spisak (bjs@agh.edu.pl)
- 2018 Mar.-
2020 Jul. **Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie**
(AGH University of Science and Technology)
Faculty of Physics and Applied Computer Science
Master of Science degree in Technical Physics, graduated with honors
Supervisor: Bartłomiej Spisak
Subject: Phase-space formulation of quantum mechanics, nonlinear dynamics, Wigner function
- 2015 Oct.-
2018 Jan. **Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie**
(AGH University of Science and Technology)
Faculty of Physics and Applied Computer Science
Engineer degree in Technical Physics, graduated with honors
Supervisor: Bartłomiej Spisak
Subject: Phase-space formulation of quantum mechanics, Wigner function

Teaching experience

2019 Oct.-
2020 Jan. **Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie**
(AGH University of Science and Technology)
Faculty of Physics and Applied Computer Science
Course: Mathematical Methods of Physics 1

2021 Mar.-
2021 Jun. **Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie**
(AGH University of Science and Technology)
Faculty of Physics and Applied Computer Science
Course: Mathematical Methods of Physics 2

Language and software skills

LANGUAGES

- English: C1 level
- German: A2 level

SOFTWARE

- MATLAB
- C/C++
- LaTeX

Scientific interests

- Phase-space approach to quantum mechanics, Wigner function;
- Nonlinear dynamics and qualitative theory of ODEs;
- Operator theory, generalised functions;
- Calculus of variations.