



Daniel Dupkala, BSc MSc

Office Address: School of Physics,
Trinity College Dublin
College Green
8PVX F5, Dublin 2,
Ireland

Email: daniel.dupkala@gmail.com

Mobile: +421 915 506 689

ORCID number: 0009-0009-0516-4972

Education

- 2024 -** **PhD candidate** - IRC Government of Ireland Scholar at School of Physics, Trinity College Dublin, research of extrasolar planets supervised by Associate Professor Neale Gibson
- 2019 - 2023** **Master's study** - Faculty of Mathematics and Physics, Charles University, programme Physics and Math Education
Master's thesis - Outreach of an Exoplanet Research and the PLATO Space Mission in the Czech Republic
- 2015 - 2019** **Bachelor's study** - Faculty of Mathematics and Physics, Charles University, programme Applied Physics, specialization in Applied Meteorology
Bachelor's thesis - High resolution spectroscopy of exoplanets - tool for characterization

Awards

- 2023** 2nd place at the National Exhibition of Master's Theses in Didactics of Physics, awarded by the Union of Czech Mathematicians and Physicists
- 2018** Special Prize of Rector of the Charles University for educational activities

Employment

- 2022 - 2024** Media Communications and PR Office, Faculty of Mathematics and Physics, Charles University
- 2015 - 2024** Physics Correspondence Competition (FYKOS), organizer, head organizer of FYKOS 3-10/2017, head organizer of Fyziklani competition 2016 - 2022
- 5-12/2023** Outreach internship at the PR office, Institute of Physics of the Czech Academy of Sciences
- 2020 - 2022** Math Teacher at Secondary technical school - SPŠST Panská, Prague
- 2017 - 2019** Astronomical Institute of Czech Academy of Sciences - Exoplanet group

Conferences and educational stays

- 8/2026** **International Conference of Physics Students**, Rabat, Morocco, active participation with talk presentation on my PhD project
- 7/2026** **High-Resolution Exoplanet and Stellar Characterization Today and in the ELT Era (HoRS3S)**, Granada, Spain – poster presentation on my PhD project
- 7/2025** **Exoplanets by the Lake III**, Herrsching, Germany, a summer school focused on the JWST atmospheric spectroscopy of exoplanets - participation

- 6/2025** **EAS Annual Meeting 2025**, Cork, Ireland, poster presentation on my PhD topic - Bridging High- and Low-Resolution Spectroscopy of Exoplanets
- 7/2024** **ICE-CSIC 7th Summer School** on Multiwavelength approach to exoplanetary systems - participation
- 2021 - 2022** **Physics Teachers' Inventions Fair**, Brno & Olomouc, Czech Republic talk presentation on Fyziklani competitions
- 8/2017** **Ondřejov Summer School on Exoplanets 2017** - participation
- 2017 - 2021** **International Conference of Physics Students** - active participation, talk presentations on several topics (Turin, Helsinki, Cologne, Copenhagen)
- 7-8/2016** **Summer Research Fellowships at Charles University**
Dept. of Macromolecular Physics, Dept. of Surface and Plasma Science
- 2015** **Vernadsky National Contest**, Moscow, Russia
poster presentation on the topic of extrasolar planets
- 2011 - 2015** **Fellowship at Regional observatory in Žilina** - Outreach activities
Demonstrator of the night sky observation for the general public

Membership in organizations

- 2026 -** Member of the Institute of Physics (IOP), UK & Ireland
- 2020 - 2022** Member of the project team of ERASMUS+ Project No. 2020-2-CZ01-KA105-078617 Fyziklani International
- 2019 - 2024** Member of the Promotional Committee of the Faculty of Mathematics and Physics, Charles University
- 2018 - 2022** President of IAPS Local Committee Prague / National Committee Czech Republic, delegate of the committee at several Annual General Meetings
- 2018** Member of the Local organizing committee of the international conference 10 Years of The Czech Republic in ESA
- 2017 -** Member of the International Association of Physics Students
- 2017 -** Member of the Central Committee of competitions Fyziklani and Physics Brawl Online

Personal skills

- Professional level MS Office, G-Suite and e-mail, LaTeX, Origin, data processing
- Team management (50 to 100 people), project management
- Physics and Mathematics education, science outreach
- Special skills in handling exceptionally talented students
- Basic use of Python, Shell scripting
- Driving license (type B)

Languages

- Slovak - native speaker
- English - advanced (C1)
- Czech - advanced
- Spanish - elementary

Hobbies and interests

- Sports - floorball (competitively 2015-2023, referee 2021-2024), trekking
- Traveling and aviation, history, politics, and general overview