

## Mgr. Zdeněk Remeš, Ph.D.

- **ORCID ID:** 0000-0002-3512-9256, **Researcher ID:** G-9420-2014, **Scopus Author ID:** 6603757375
- <https://www.fzu.cz/en/people/mgr-zdenek-remes-phd>
- **Citizenship:** Czech Republic (EU); **Nationality:** Czech; born in Czechoslovakia 1971
- **Language skills:** active - Czech, English; passive – Slovak, German, Russian
- **Senior scientists** at the Institute of Physics of the Czech Academy of Sciences (employee since 1993)
- **Assistant professor** at Czech Technical University in Prague (2013-2024)
- **H-index 30**, 204 published papers with 3147 citations in Scopus
- **Education at the Faculty of Mathematics and Physics, Charles University, Prague, Czechia**
  - 1994: MSc in solid state physics
  - 1998: BSc in financial mathematics
  - 1999: PhD in solid state physics and material research
  - 2018: Certificate "Teaching general subject - Mathematics"
- **Long-term foreign attachments**
  - 1999–2002, 2003–2004: Institute of Materials Research (IMO), Hasselt University, Belgium
  - 2002–2003: TECHNION - Israel Institute of Technology, Haifa, Israel (12 months)
  - 2006: CEA/Saclay, France (6 months)
  - 2013: EWI TU Delft, The Netherlands (3 months)
  - 2022: Institute of Materials Research (IMO), Hasselt University, Belgium (10 months)
- **Research activity:** optical and electrical properties of thin films and nanoparticles, plasma treatment, photovoltaics, photocatalysis
- **Education activities:** undergraduate physics and mathematics, supervisor of graduate and PhD. students
- **Membership in scientific organizations**
  - Union of Czech Mathematicians and Physicists
  - Czechoslovak Association for Crystal Growth
  - Czech Vacuum Society
- **Active international cooperation in 2024**
  - Institute of Materials Research (IMO), Hasselt University, Belgium (prof. Miloš Nesládek)
  - National Pingtung University, Pingtung, Taiwan (prof. Hua-Shu Hsu)
  - Institut Lumière Matière, Université CNRS-Lyon, France (Dr. Gilles Ledoux)
  - Institute of Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia (dr. Júlia Mičková)
- **Running projects (principal investigator)**
  - *Synthesis and characterization of nanocomposites of transition metal oxides with potential application for remediation of environmental loads*, CAS project SAV-23-13 Mobility Plus, international project with Slovakia (2023-24)
  - *Effective elimination of drug residues in water using photocatalytic degradation*, international MEYS project with Slovakia and France (Danube, 2023-25)
  - *Spin polarized zinc oxide nanostructures*, international CSF project 24-10607J (2024-26)

16 January 2025, Prague