Curriculum Vitae – Assoc. Prof. Dr. Ing. Petr Neugebauer

Family name, First name: **Neugebauer, Petr**
Researcher unique identifiers, ORCID: **0000-0001-7095-6401** / Research ID: **I-7844-2013**
Date of birth: **13th September 1980**; Nationality: **Czech Republic**; Web site: www.spectroscopy.ceitec.cz

I am the group leader of the Magneto-Optical and THz Spectroscopy group at the Central European Institute of Technology (CEITEC). I supervised or co-supervised over 90 people (13 nationalities) in the areas of magnetic resonance, molecular magnetism and THz technology. I am author or co-author of 80 original scientific papers in ISI-indexed journals with over 3500 citations and I have h-index = 27 according to WoS.

CURRENT POSITION

2018 – present Group leader and founder of Magneto-optical and THz Spectroscopy group at Central European Institute of Technology (CEITEC), www.spectroscopy.ceitec.cz, Brno University of Technology, Czech Republic. Principal investigator of **ERC Starting Grant** (AN714850) and **GACR EXPRO** (21-20716X), co-author **H2020 FET-Open** (AN767227).

2025 – present **Fulbright-Masaryk program**, University of Colorado at Boulder, Department of Chemistry, Boulder, CO, USA. Main topic: 2-Dimensional Polymers of Metalloporphenes.

PREVIOUS POSITIONS

2012 – 2017 Postdoctoral fellow, since 2014 group leader at University of Stuttgart, Institute of Physical Chemistry, Germany. Main topics: High-Field / -Frequency ESR, Frequency Domain Magnetic Resonance spectroscopy, THz spectroscopy, Molecular magnetism.

2010 – 2012 Postdoctoral fellow at Center for Biomolecular Magnetic Resonance and Goethe University Frankfurt, Institute of Physical and Theoretical Chemistry, Germany. Main topics: Dynamic Nuclear Polarization and pulsed High-Field / -Frequency ESR spectroscopy.

EDUCATION

2020/11/16 Docent (Assoc. Prof.) in applied physics, Brno University of Technology, Czech Republic. Habilitation work: *High Frequency Electron Spin Resonance Spectroscopy: Today and Tomorrow*.

2010/01/15 Dr. at Université Joseph Fourier and Grenoble High Magnetic Field Laboratory, France. *Development of a Heterodyne High-Field / High-Frequency Electron Paramagnetic Resonance Spectrometer at 285 GHz*, under supervision of Dr. A.-L. Barra.

2005/06/21 Master's (Dipl.-Ing.) at Brno University of Technology, Institute of Physical Engineering, Brno, Czech Republic. *Design of facility for in situ area monitoring of thin films (UV-VIS Reflectometry)* under supervision of Prof. J. Spousta.

AWARDS AND DISTINGUISHMENTS

2025 – 2026 Fulbright-Masaryk stipend (10 months), University of Colorado, Boulder, USA.
2025 Golden AMPER Award for FRASCAN II presented at Amper fair, Brno, Czech Republic.
2024 Silver medal, Brno University of Technology, Czech Republic.
2020 Director's Award, Project of the Year, CEITEC, Czech Republic.
2016 International EPR Society Award, EFEPR conference, Torino, Italy.
2015 Elite program Baden-Württemberg for postdoctoral researchers, Germany
2010 – 2012 Stipend: CEF – Cluster of Excellence Frankfurt, Center for Biomolecular Magnetic Resonance and Goethe University Frankfurt, Germany
2008 – 2009 Early-stage researcher fellowship through MAGMANet FP6-NMP3-CT-2005-515767, Grenoble High Magnetic Field Laboratory (GHMFL), France
2005 – 2008 Marie Curie fellowship through QuEMolNa FP6-CT-2003-504880, GHMFL, France

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Since 2018 Brno University of Technology, Czech Republic: 15 Postdoctoral (1x GACR Junior Star, 1x Danubius Award, 6x EU-MŠMT stipends) / 16 PhDs (4x JCMM Brno PhD talent awards) / 14 MSc & BSc / 21 ERASMUS Students / 5 High School Students (1x CEITEC student talent award)

2012 – 2017 University of Stuttgart, Institute of Physical Chemistry, Germany: 2 PhDs / 3 Masters / 6 ERASMUS Students

TEACHING ACTIVITIES

Since 2015 Brno University of Technology, Czech Republic: Lecturing to master and PhD students –

	Magnetic resonance spectroscopy (winter/summer semester).
Since 2023	UM6P, Benguerir, Morocco: Magnetic resonance spectroscopy (12 hours/year).
2018-2021	Ecole Centrale Casablanca, Morocco: Magnetic resonance spectroscopy (12 hours/year).
2016	Peking University and Xi'an Jiaotong University, China: Invited lectures (2x 16 hours).
2012 – 2017	University of Stuttgart, Institute of Physical Chemistry, Germany: Lecturing to master students – Advance Materials and Analysis; Basic and advanced practical courses in thermodynamics, electrochemistry, kinetics, statistics and spectroscopy.
2010 – 2012	Goethe University Frankfurt, Institute of Physical and Theoretical Chemistry, Germany: Basic and advanced practical courses in thermodynamics, electrochemistry, kinetics, statistics and spectroscopy;

ORGANISATION OF INTERNATIONAL MEETINGS (only more than 50 participants)

2026	Chair and organizer: 13th European Federation of EPR conference (www.efepr2026) / expected 300-400 participants / Brno, Czech Republic.
2024/10	Organizer: Advances in Magnetic Resonance (https://www.ceitec.eu/advances-in-magnetic-resonance/a4783) / 70 participants / Brno, Czech Republic
Since 2023	Member of Rocky Mountain Conference Executive Committee on Magnetic Resonance (https://rockychem.com/conference/epr-symposium.html), Colorado or Utah, USA.
2019	Chair and organizer: 8th International School of European Federation of EPR (www.eprschool.ceitec.cz) / 140 participants / Brno, Czech Republic.
2018	Organizer: International Summer School: PETER Summer School (www.peter-instruments.eu/inpage/summer-school) / 90 participants / Brno, Czech Republic

INSTITUTIONAL RESPONSIBILITIES

Since 2018	Member of wider management of CEITEC, Brno Uni. of Technology, Czech Republic.
2015 – 2017	Professorship finding committee, University of Stuttgart, Faculty of Chemistry, Germany

SIGNIFICANT REVIEWING ACTIVITIES

Since 2014	Evaluator of scientific proposals for: ERC, DFG, VEGA, GAČR, SNFS, BSF, ISF.
Since 2022	Evaluator of Scientific Proposals, National High Magnetic Field Lab., Tallahassee, USA.
Since 2022	Member of Scientific Selection Panel at Helmholtz-Zentrum Berlin, Germany.
Since 2021	Evaluator of habilitation (Assoc. Prof.) works at Brno University of Technology and University of South Bohemia, Czech Republic.
Since 2012	Reviewer of scientific journals: Science; Rev. Sci. Inst.; J. Magn. Reason.; IEEE journals; Magn. Reason. Chem., etc., and I am a reviewer of scientific books (Elsevier).

MEMBERSHIPS OF SCIENTIFIC SOCIETIES AND ADVISING COMMITTEES

Since 2024	Member of of the Steering Committee ATM Hub,Technological Incubation, Czechinvest.
Since 2018	Member of EU International Training Network "BeMAGIC."
Since 2016	Member of the International EPR (ESR) Society and AMPER Society.
Since 2015	Member of Elite program Baden-Württemberg, Germany.
2012 – 2019	Member of DFG German Priority Program (SPP1601) network, Germany.

LIST OF SELECTED ORAL PRESENTATIONS IN LAST YEAR (81 in total)

2025/05	Zakopane School of Physics, Zakopane, Poland – *invited talk*
2025/05	29th International EPR seminar, Modra, Slovakia – *invited talk*
2025/01	FyBiCh seminar for high school students, Dolní Dobrouč, CZE – *invited talk*
2024/11	Workshop in Experimental Physics, Federal University of Itajubá, Brazil – *invited talk*
2024/11	MTMM-SIMS, Bangalore, India – *invited talk*
2024/09	45th FGMR, Rostock, Germany – *plenary talk*

SELECTED INTERNATIONAL PROJECTS PARTICIPATION

2025 – 2030	SPACER, European Innovative Training Networks (ITN) – GA 101226997
2025 –	Nagoya University and Japan Science and Technology Agency (JST)
2020 – 2025	BeMAGIC, European Innovative Training Networks (ITN) – GA 861145
2020 – 2023	EU, MŠMT, INTER-ACTION project, Georgetown University, Washington DC
2018 – 2021	PETER project - Horizon 2020 - FET OPEN – GA 767227
2016 – 2019	Naval Research project with P. Barbara, Georgetown University, Washington DC
2015 – 2016	DAAD – German-Czech scientific exchange project – Molecular Magnetism
2010 – 2012	DIP – DFG German-Israeli Project – Dynamic Nuclear Polarization
2005 – 2010	QuEMolNa and MAGMANet – European networks – Molecular Magnetism