

CURRICULUM VITAE

Family name, First name: Chitrova Evgenia (née Tereshina)

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EDUCATION

- 2009** **PhD in Condensed Matter Physics**
Department of Condensed Matter Physics, Faculty of Mathematics and Physics/Charles University/Czech Republic, Supervisor: Prof. Alexander Andreev, Dr.Sc.
- 2005** **Master in Physics** (with honours)
Faculty of Physics/M.V. Lomonosov Moscow State University/Russia

CURRENT POSITION

- 2024–** **Leading Researcher**
Department of Magnetic Measurements and Materials, Institute of Physics/Czech Academy of Sciences/Czech Republic

PREVIOUS POSITIONS

- 2015–2023** **Researcher**
Department of Magnetic Measurements and Materials, Institute of Physics/Czech Academy of Sciences/Czech Republic
- 2018–2021** **Researcher**
Department of Condensed Matter Physics, Faculty of Mathematics and Physics/Charles University/Czech Republic
- 2011–2015** **Postdoctoral Fellow**
Department of Magnetic Nanosystems, Institute of Physics/Czech Academy of Sciences/Czech Republic
- 2009–2011** **Postdoctoral Fellow**
High-Field Laboratory for Superconducting Materials, Institute for Materials Research/Tohoku University/Japan

FELLOWSHIPS AND AWARDS

- 2022** Winner of the 16th L'Oreal-UNESCO Women in Science contest/Czech Republic
- 2021** Research Medal in Recognition of Research Contribution to the Field of Actinides, The Journées des Actinides, 2021.
- 2015** Otto Wichterle Prize, Czech Academy of Sciences/Czech Republic
- 2009–2011** Fellowship, Japan Society for the Promotion of Science, High-Field Laboratory for Superconducting Materials, Institute for Materials Research/Tohoku University/Japan
- 2006** Best poster presentation, Joint European Magnetic Symposium (JEMS) 2006/Spain
- 2001–2004** 4 x Soros student award (International George Soros Science Education Program), Faculty of Physics, M.V. Lomonosov Moscow State University/Russia

ORGANIZATION OF SCIENTIFIC MEETINGS

- 2024** **Spring 2024 MRS Meeting**, Organizing Committee Member, Actinides Symposium, Seattle/cca. 5000 participants/USA
- 2019** **EHPRG 2019** (European High Pressure Research Group), Organizing Committee Member, Program Committee member, Organizer of Women in Science Section/cca. 300 participants/Czech Republic.
- 2016–present** **The AVS International Symposium and Exhibition (American Vacuum Society)**, Program Committee Member, Rare Earths and Actinides Session, annual International Symposium and Exhibition/cca. 1500 participants / USA.

INVITED TALKS

- 2018** SCTE (Solid Compounds of Transition Elements) 2018, Vienna, Austria

- 2018** 65th AVS (American Vacuum Society) International Symposium and Exhibition/USA.
2015 62nd AVS (American Vacuum Society) International Symposium and Exhibition/USA

GRANTED PROJECTS

- 2022–2024** Czech Science Foundation. Strain engineering of magnetic and transport properties in thin uranium-based films (total funding 197 k€).
2013–2015 Czech Science Foundation. Uranium-based multilayers: structure, magnetism and related electronic properties (total funding 61 k€).
2009–2011 Japan Society for the Promotion of Science. The f-d intermetallic compounds in high magnetic fields: structure, magnetic and related properties (total funding 90 k€).
2007–2009 Grant Agency of Charles University in Prague. Dependence of magnetism on the interatomic distances in the intermetallic compounds of rare earths and 3d-metals (total funding 20 k€).

SUPERVISION OF GRADUATE STUDENTS

- 2023–present** Ph.D. student, Faculty of Mathematics and Physics/Charles University/Czech Republic.

STAYS ABROAD:

- 2003–2004** Guest student (JYPE), Tohoku University, Sendai, **Japan**, 6 months.
2007 Course on Neutron and synchrotron radiation study HERCULES 2007, Grenoble, **France**, 6 weeks.
2007, 2008 Laboratoire Leon Brillouin, Saclay, **France** (Neutron diffraction experiments), 2 weeks.
2008 Institute Laue-Langevin, Grenoble, **France** (Neutron diffraction experiment), 1 week.
2008, 2009 International Laboratory of High Magnetic Fields and Low Temperatures (High-field experiments), Wroclaw, **Poland**, 1 month.
2009–2011 Postdoc at High Field Laboratory for Superconducting Materials, Institute for Materials Research, Sendai, **Japan**, 20 months.
2015–2020 Dresden High Magnetic Field Laboratory (High-field experiments), Dresden Rossendorf, **Germany**, 3 months in total.
2014–2023 Research stays at the Institute for Transuranium Elements (JRC) Karlsruhe, **Germany**, 5 months in total.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2015–present** Member, *American Vacuum Society* (AVS)
2024–present Member, *European Magnetic Association* (EMA)
2024–present Alumni Club Member, *Japan Society for the Promotion of Science* (JSPS)

RESULTS AND ACHIEVEMENTS

- h-index **20** (SCOPUS)
- **122** publications in the international research journals with IF
- **1081** citations (SCOPUS)

SCIENTIFIC ACTIVITY IN THE PAST FIVE YEARS

- **Bulk Materials Development:** *i*) Novel magnetic materials: synthesis and characterization of various alloys and compounds to identify promising candidates for *rare-earth-lean* magnets. *ii*) Development of materials with multiple coupled functionalities, e.g. giant magnetostriction and a large magnetocaloric effect.
- **Thin Film Research:** *i*) uranium-based thin films, including the growth of films and their characterization using various diagnostic methods. This research has implications for nuclear reactor technology and safety. *ii*) Uranium-based unconventional superconductor films, with a particular focus on structural characteristics. This work is part of a grant project as a PI.
- **Organization of scientific meetings:** Serving on the scientific committees of conferences and meetings, contributing to the selection of abstracts, and helping shape the overall scientific program. Moderating.