

Curriculum vitae

Professional interests

- Thermodynamically consistent poromechanical models for swelling clays
- Numerical realisation of poroelastoplastic models
- Mathematical and numerical analysis of contact problems with friction

Professional career

- from 2015 **researcher** at the Department of applied mathematics and computational sciences, Institute of Geonics of the Czech Academy of Sciences
- 2013–2015 **postdoctoral scholar** at the Department of mathematical analysis and applications of mathematics, Faculty of Science, Palacký University in Olomouc
- 2012 **assistant professor** at the Department of mathematical analysis and applications of mathematics, Faculty of Science, Palacký University in Olomouc
- 2011–2012 **postdoctoral researcher** at Pôle de mathématiques, INSA Lyon, Institut Camille Jordan (financed by the Michelin company)
- 2009–2010 **Ph.D. assistant** at the Nečas Center for Mathematical Modeling

Academic qualification

- 2011 **Ph.D.** degree in Scientific and Technical Calculations, Faculty of Mathematics and Physics, Charles University in Prague
- 2007 Rerum Naturalium Doctor (**RNDr.**) degree in Computational Mathematics, Faculty of Mathematics and Physics, Charles University in Prague
- 2007 Master's degree in Computational Mathematics, Faculty of Mathematics and Physics, Charles University in Prague

Fellowships

- 2015, 2010, 2009 Pôle de mathématiques, INSA Lyon, Institut Camille Jordan (11 months)
- 2014 Laboratory of Mechanics and Acoustics CNRS, Marseille (3 months)