Curriculum Vitae

Surname, first name:	Mika, Michał
Date and place of birth:	August 20th, 1995, Beuthen, Poland
Nationality:	German, Polish
Mail:	mika@ibnm.uni-hannover.de

Education

since 2020	Ph.D. candidate at the Institute of Mechanics and Computational Mechanics, Leibniz University Hanover *Numerical methods for cavitating flows.*
2018 – 2020	Computational Methods in Engineering (M.Sc.) at the Leibniz University Hanover. Thesis on *Isogeometric Galerkin method for Karhunen-Loève approximation of random fields.*
2014 – 2018	Computational Engineering (B.Sc.) at the Leibniz University Hanover. Industry thesis at Dr. Ing. h.c. F. Porsche AG on *Analysis of material properties of inductively pre-gelled adhesives used in sheet metal hems with the purpose of optimizing and extending the thermo-mechanical numerical analysis of an e-coat curing process.*
2010 – 2014	German high school education system
before 2010	Polish primary school education system

Professional Experience

April 2019 – October 2019	Research project at the Oden Institute for Computational Engineering and Sciences, University of Texas at Austin *Isogeometric methods for random field discretization.*
September 2018 – April 2019	Research assistant at the Institute of Continuum Mechanics at the Gottfried Wilhelm Leibniz University Hanover. *Model reduction techniques based on neural networks.*
October 2017 – April 2018	Research assistant at the Institute of Mechanics and Computational Mechanics, Leibniz University Hanover. *Stochastic collocation methods and software development.*
April 2017 – October 2017	Internship at the Dr. Ing. h.c. F. Porsche AG in Stuttgart, Germany. Division of paint shop and product design. *Validation of simulation methods in electro-chemical e-coating process of a composite car body.*

September 2016 – April 2017	Tutor at the Institute of Applied Mathematics at the Gottfried Wilhelm Leibniz University Hanover. *Tutoring on numerical methods in applied mathematics.*
March 2016 – April 2016	Internship at the nh-Planung GmbH Hanover, an architecture and engineering company. *Simulation of building evacuation plans. Application of fire safety regulations.*
September 2015 – April 2017	Research assistant at the Institute of Mechanics and Computational Mechanics at the Gottfried Wilhelm Leibniz University Hanover. *Development of an e-learning platform and the associated digital study materials.*

Publications

September 2017	*Electrostatic sensor modeling for torque measurements.* Advances in Radio Science, Vol. 15, p. 55-60, 2017.

Scholarships

April 2019	Leibniz PROMOS Stipendium, Bundesministerium für Bildung und Forschung. Overseas internship.
November 2016	Deutschland Stipendium, Bundesministerium für Bildung und Forschung.

Skills and interests

Solid background in solid mechanics and numerical methods; good programming skills in diverse languages (actively C++, Python, Julia); experience in the Linux development environment;