

# Curriculum Vitae

Hriczó, Krisztián

Professional qualifications and scientific degree:

2015 PhD, University of Miskolc

2009 MSc in informatic engineer, University of Miskolc

Jobs, positions:

2019 – Associate Professor, Institute of Mathematics, Faculty of Mechanical Engineering and Informatics, University of Miskolc

2016 – 2019 Assistant Professor, Institute of Mathematics, Faculty of Mechanical Engineering and Informatics, University of Miskolc

2013 – 2016 Assistant Lecturer, Institute of Mathematics, Faculty of Mechanical Engineering and Informatics, University of Miskolc

Research area:

Analytical and numerical analysis of solutions to partial differential equations

Non-academic activities:

Member of the Regional Committee Hungarian Academy of Sciences on Mathematical-Physical Committee since 2015

Scholarships and awards:

MAB-JOYSON academic award (MTA-MAB, Miskolc, 06. November 2018.)

New National Excellence Program for Young Researcher Scholarship (2017-2018)

Apáczai Csere János Doctoral Scholarship (2013-2014)

Participation in international research projects:

2015-2016: TÉT\_14\_FR-1-2015-0004-AUTO-organization of Nanostructures in Surfaces - AUTONAS, Universite de Picardie Jules Verne - University of Miskolc

2017-2019: TÉT\_16-1-2016-0164 - Tribological modelling and experiment tests in development of advanced nanocomposite materials - University of Belgrade - University of Miskolc

2019-2021: 2018-2.1.13-TÉT-FR-2018-00014 - Analytical and Numerical Investigations for the Wrinkling of Graphene on Nanoparticles - Universite de Picardie Jules Verne - University of Miskolc

Erasmus Teacher Mobility at Universite de Picardie Jules Verne, Amiens, France

one week in the 2015/16, 2016/17, 2017/18, 2018/19 academic year

Publications: <https://m2.mtmt.hu/api/author/10029484>

## Some publications:

1. Gabriella, Bognar; Krisztián, Hriczo: Ferrofluid Flow in the Presence of Magnetic Dipole, *TECHNISCHE MECHANIK (MAGDEBURG)* 39 : 1 pp. 3-15. Paper: 01 , 13 p. (2019)
2. Hriczó, Krisztián: Boundary Value Problem for a Heated Nanofluid Flow in the Presence of Magnetic Field, *INTERNATIONAL JOURNAL OF ENGINEERING AND MANAGEMENT SCIENCES* 4.: 1 pp. 58-66. Paper: 0.21791/IJEMS.2019.1.8, 9 p. (2019)
3. Gabriella, Bognar ; Krisztián, Hriczo: Similarity transformation approach for a heated ferrofluid flow in the presence of magnetic field, *ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS* : 42 pp. 1-15. , 15 p. (2018)
4. I.F. Barna, G. Bognár, K. Hriczó: Self-Similar Analytic Solution of the Two-Dimensional Navier-Stokes Equation with a Non-Newtonian Type of Viscosity, *MATHEMATICAL MODELLING AND ANALYSIS* 21:(1) pp. 83-94. (2016)
5. G. Bognár, K. Hriczó: Similarity Solution to Thermal Boundary Layer Model of a non-Newtonian Fluid with a Convective Surface Boundary Condition, *ACTA POLYTECHNICA HUNGARICA*, 8 (2011), 131-140