

Curriculum Vitae



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Born on March 18th, 1981 in Satu Mare, Romania

Married, 2 children

Research areas

Convex and Nonsmooth Optimization

Monotone Operator Theory

Numerical Algorithms

Applications to Real-Life Problems

Education

09/1988–06/1996 “Ion Creangă” School in Satu Mare

09/1996–06/2000 “Mihai Eminescu” College, Satu Mare

Studies

10/2000–06/2004 “Babeş-Bolyai” University Cluj-Napoca, Romania
Faculty of Mathematics and Computing Science, Department of Mathematics
Degree: Diploma in Mathematics
Diploma thesis: *Kurzweil integrals*

09/2004–06/2005 “Babeş-Bolyai” University Cluj-Napoca, Romania
Faculty of Mathematics and Computing Science, Department of Mathematics
Master course on "Real and Complex Analysis"
Degree: M. Sc. in Mathematics
Master thesis: *Hyperconvex metric spaces*

10/2005–12/2009 Chemnitz University of Technology, Germany, Faculty of Mathematics
Ph.D. student in the International Master and PhD Program
Thesis defended on December 8th, 2009
Grade: Summa cum laude
Ph.D. Thesis: *Overcoming the failure of the classical generalized interior-point regularity conditions in convex optimization. Applications of the duality theory to enlargements of maximal monotone operators* (Supervisors: G. Wanka and R.I. Boţ)

02.03.2016 University of Vienna, Austria, Faculty of Mathematics
Defense of the Habilitation Thesis: *Recent advances in splitting methods for monotone inclusions and nonsmooth optimization problems*

Professional experience

- 10/2005–06/2013 Chemnitz University of Technology, Department of Mathematics
Research and teaching duties within the Professorship of Approximation Theory
since 03/2012 member of the DFG-Project BO 2516/4-1
- 07/2013–02/2015 University of Vienna, Faculty of Mathematics
Research Assistant within the DFG-Project BO 2516/4-1
- 03/2015–02/2017 University of Vienna, Faculty of Mathematics
Senior Postdoc within the FWF-Project M 1682-N25
Applicant: E.R. Csetnek, co-applicant: R.I. Boţ
- 03/2017–09/2018 University of Vienna, Faculty of Mathematics
Senior Postdoc within the FWF-Project P 29809-N32 (applicant E.R. Csetnek)
- 10/2018–03/2019 University of Göttingen, Institute for Numerical and Applied Mathematics
Temporary position of professor (substitute professor)
- 04/2019–02/2022 University of Vienna, Faculty of Mathematics
PI (Senior Postdoc) within the FWF-Project P 29809-N32 (applicant E.R. Csetnek)
- since 04/2021 University of Vienna, Faculty of Mathematics
Senior Postdoc, Faculty position

Research fellowships

- 04/2006–03/2009 Graduate Fellowship of the Free State Saxony, Germany

Awards

- 2010 awarded with the University Prize of Chemnitz University of Technology

Research stays

- November 2019 GMIT (German-Mongolian Institute for Resources and Technology) and
NUM (National University of Mongolia)
- October 2017 Research Center of Applied Analysis, Faculty of Mathematics
"Babeş-Bolyai" University Cluj-Napoca
Advanced fellowship granted by the scientific board of STAR UBB

Publications

Articles in ISI journals and ISI proceedings: 60

Articles in other peer-reviewed journals/proceedings: 6

Preprints: 3

Citations

Mathematical Reviews: 883 citations by 504 authors

ISI Web of Science: 1016 citations, H-Index 17

Google Scholar Citations: 2038 citations, H-Index 23

Member of Editorial Board of scientific journals

- 2016 - *Applied Mathematics and Computation (Elsevier)*
- 2020 - *Fixed Point Theory and Algorithms for Sciences and Engineering, former: Fixed Point Theory and Applications (Springer)*
- 2021 - *Pacific Journal of Optimization (Yokohama Publishers)*
- 2021 - *Journal of Computational Mathematics and Data Science (Elsevier)*
- 2021 - *Journal of Mathematical Sciences (Springer)*
- 2022 - *Studia Universitatis Babeş-Bolyai Mathematica*
- 2022 - *Numerical Algorithms (Springer)*

Reviewer activities

- Databases *Mathematical Reviews, Zentralblatt*
- Journals *Reviewer for several mathematical journals*

Third-party funded research projects

- 03/2017–02/2022 *Nonsmooth optimization problems: splitting and dynamics*
Project funding: FWF (Austrian Science Fund)
Project label: P 29809-N32
Applicant: E.R. Csetnek
Budget: 313.362,00 €
- 03/2015–02/2017 *Convex optimization via monotone operator theory*
Project funding: FWF (Austrian Science Fund)
Project label: M 1682-N25, Lise-Meitner Program
Applicant: E. R. Csetnek, Co-applicant: R.I. Boţ, University of Vienna
Budget: 137.380,00 €

Cooperation in the following third-party funded projects

- 10/2012–09/2013 *Numerical methods for approximating zeros of operators and for solving variational inequalities with applications*
Project funding: Edutus Főiskola, Collegium Talentum, Budapest
Project label: TB-03/905/0/2012 and TB-03/680/0/2013
In cooperation with Prof. G. Kassay, "Babeş-Bolyai" University Cluj-Napoca
- 04/2011–11/2011 *Approximation of optimization problems*
Project funding: European Social Fund in Romania
Project-label: POSDRU/88/1.5/S/60185
In cooperation with Prof. D. Duca, "Babeş-Bolyai" University Cluj-Napoca

Activity in scientific associations and boards

- 2017- *Evaluator of national research projects in Chile, Czech Republic, Kazakhstan, Romania*

Supervision and co-supervision of the following PhD Theses

- 03/2021– Buris Tongnoi, University of Vienna
- 04/2017– Sandy Bitterlich, Chemnitz University of Technology
In cooperation with Prof. R.I. Boț and Prof. G. Wanka
- 11/2019– Limpapat Bussaban, Chiang Mai University, Thailand
In cooperation with Prof. R.I. Boț
- 2017 Nimit Nimana, Naresuan University, Phitsanulok, Thailand
In cooperation with Prof. R.I. Boț
- 10/2012–09/2013 Nagy Erika: *Numerical methods for approximating zeros of operators and for solving variational inequalities with applications*
In cooperation with Prof. G. Kassay, "Babeș-Bolyai" University Cluj-Napoca
- 04/2011–11/2011 Liana Cioban: *Approximation of optimization problems*
In cooperation with Prof. D. Duca, "Babeș-Bolyai" University Cluj-Napoca