

# Dr. Tasnádi Attila

Egyetemi tanár / Professor Rektori szervezet / Matematikai és Statisztikai Modellezés Intézet / Matematika Tanszék

## Qualifications, scientific degrees

### Higher education qualifications

- 1988 1993
- Budapest University of Economic Sciences, economist, MA (MSc/MA)
- 1990 1994
   Eötvös Loránd University, Software Designer Mathematician, BSc (BSc/BA)
- 1994 1997
   Eötvös Loránd University, Software Designer Mathematician, MSc (MSc/MA)

### Scientific degrees and awards

- 2000, PhD Budapest University of Economic Sciences and Public Administration
- 2009, Dr.Habil Corvinus University of Budapest
- 2013, DSc Hungarian Academy of Sciences
- 2020, PhD Eötvös Loránd University

## Career

### Workplaces

- 1999 2001
- Budapest University of Economic Sciences, assistant professor
- 2001 2006 Corvinus University of Budapest, assistant professor
  2002 - 2003
- University of Bonn, Postdoctoral Research Fellow
- 2007 2011
- Corvinus University of Budapest, associate professor
- 2011 -Corvinus University of Budapest, professor
- 2012 2017 MTA-BCE , Head of the Research Group

### Public activities in the university (memberships in university bodies)

- 2003 2016
   Faculty Council, member
- 2016 2017
   Vice-rector for research
- 2016 2017
- Scientific Council, chair • 2016 - 2017
- Employment Council, chair
- 2016 2017
- Open Access Committee, chair
- 2016 2016
- Scientific Council, member
- 2019 2019
- Director of the Institute of Mathematical and Statistical Modeling
- 2019 2020
- Head of the Department of Mathematics
- 2019 2019 Faculty Council, member
- 2020 -
- Research Council, member
- 2021 -
- Doctoral School of Economics, Business and Informatics, Council member
- 2021 -
- Academic Tenure Committee, member
- 2020 -

Mathematical and Statistical Modeling Institute, Council member

### Membership in board of supervision and directors

 2016 - 2017 International Studies Center, Supervisory Committee, member

### Important study tours, delegacies

- 2002, 2 weeks University of Tilburg
- 2008, 1 week University of Karlsruhe
- 2015, 1 week Karlsruhe Institute of Technology

### Awards, titles, honors

- 2000, Article of the Year by a Young BUESPA Instructor in 1999, Special Prize International Studies Center
- 2000, János Bolyai Research Fellowship Hungarian Academy of Sciences
- 2002, Gyula Farkas Prize for Applied Mathematics János Bolyai Mathematical Society
- 2002, Postdoctoral Fellow in Quantitative Economics University of Bonn
- 2003, Article of the Year by a Young BUESPA Instructor in 2002 International Studies Center
- 2004, Article of the Year by a Young BUESPA Instructor in 2003

International Studies Center

- 2004, János Bolyai Research Fellowship Hungarian Academy of Sciences
- 2006, János Bolyai Research Fellowship Hungarian Academy of Sciences
- 2009, Research Excellence Fellowship Corvinus University of Budapest
- 2010, Research Excellence Fellowship Corvinus University of Budapest
- 2010, Bolyai badge Hungarian Academy of Sciences
- 2013, Tamás Rapcsák Prize for Operations Research and Applied Mathematics Dr. Tamás Rapcsák Fund
- 2016, Research Excellence Prize Corvinus University of Budapest
- 2018, Certificate of Merit from the Minister Ministry of Human Capacities
- 2018, University Medallion Corvinus University of Budapest
- 2018, PADS Leading Researcher Pallas Athéné Domus Sapientiae Foundation
- 2021, Corvinus Research Excellence Award Corvinus University of Budapest
- 2022, Corvinus Research Excellence Award Corvinus University of Budapest
- 2023, Corvinus Research Excellence Award Corvinus University of Budapest
- 2024, Corvinus Research Excellence Award Corvinus University of Budapest
- 2024, Nominee for the best Lecturer of the 11th semester Student Council

## Language skills

Language	Speaking	Writing	Reading	Media appearance
English	Advanced	Advanced	Advanced	Yes
German	Advanced	Advanced	Advanced	Yes

## Research, professional activity

#### Major taught courses or fields of education:

Analysis (BSc), Computer Science (BSs and MSc), Fair Division, Linear Algebra, Linear Models and Applications, Neural Networks, Algorithmic Mechanism Design, Probability Calculus, Microeconomics and Statistics

#### Field of science and discipline:

economics

#### Current fields of research:

Algorithmic Mechanism Design, Fair Division, Oligopoly Theory, Social Choice Theory

#### Major research projects

- 2003 2004, The normative approach to division problems Form of participation: leader of the research team Moneylender: Hungarian Scientific Research Fund Further info about research:
- 2015 2019, Mathematics of Electoral Systems: Districting, Apportioning and Voting Form of participation: leader of the research team Moneylender: Hungarian Scientific Research Fund Further info about research: Three key ingredients of electoral systems are voting rules, apportioning methods and districting procedures. These three kinds of methods are widely used in economics or more generally in social sciences. Voting rules are employed in collective decision making, apportionment methods are also special kind of division rules (e.g. division of an inheritance between heirs), and districting procedures are also capable of partitioning an area served by a company or organization into zones assigned to serving units (e.g. warehouses and hospitals). The determination of a districting map is hotly debated question among politician and interested citizens, since the chosen districting can severely influence the outcome of an election. Debates about an actual districting allegedly or really favoring the governing party might be a topic in electoral campaigns. Giving even a partial answer to the problem, could lead to a better (in the sense of fairness) outcome and the parties could save their energies on more important guestions such as choosing a better policy. Logical flaws of apportionment methods are less noticed by citizens. However, the ideal of one man one vote is an aim to strive for if one takes representative democracies seriously. We employ voting rules even in our everyday life. For instance, if a family member has to select a holiday destination, she or he can be employ a voting rule or can make the choice by just gathering information about individual preferences by her or his brain. In the former case learning about voting rules would be helpful, while in the latter case approaches from artificial intelligence might be able to predict the final decision.

#### Membership in scientific or professional bodies/organizations

- 1993 , ,
- , national
- 1999 2004, ,
   , international
- 2000 , ,
- , national • 2004 - 2008, , member , international
- 2004 , , member
   national
- 2008 , , member
   , national
- 2014 2015, ,
- , international
- 2016 , member, member <u>Society for Social Choice and Welfare</u>, international

- 2014 2016, expert,
  - HAS Bolyai János Research Fellowship, national
- 2016 2017, , member , national
- 2016 2019, External Counselling Body, member
- <u>Centre for Economic and Regional Studies of the Hungarian Academy of Sciences</u>, national • 2014 - 2017, , member
- , national • 2018 - , , member
- , national • 2018 - , , member , national
- 2017 , , member
- , national
- 2013 , Founding Program Committee member of the international Oligo Workshop series, member

The informal Oligo community, international

#### **Board memberships and positions**

- 2006 , Member of the editorial board, editor-in-chief, member of the editorial team <u>Foreign language</u>
- 2017 2018, Guest Editor, editor-in-chief, member of the editorial team <u>Hungarian language</u>
- 2017 , International Advisory Board, other position (e.g. member of the advisory board) Foreign language
- 2017 , Editor-in-Chief, editor-in-chief, member of the editorial team <u>Foreign language</u>
- 2014 , Editor, editor-in-chief, member of the editorial team Hungarian language
- 2018 , Member of the editorial board, president or member of the editorial board Hungarian language

## **Publications**

• <u>Publications can be found at Magyar Tudományos Művek Tára (MTMT). (MTMT is the offical</u> <u>repository of the university.)</u>

## Contacts

### Location at the university

 Building: Salthouse Room number: S 221 Extension: Main line: Fax: Internal fax:

E-mail address: attila.tasnadi@uni-corvinus.hu Personal webpage: www.uni-corvinus.hu/~tasnadi

### Consulting hours:

Monday, 14:00-14:45