

Dr. Csóka Péter

Egyetemi tanár / Professor
Rektori szervezet / Pénzügy Intézet / Befektetések

Qualifications, scientific degrees

Higher education qualifications

- 1998 - 2003
  Budapest University of Economic Sciences and Public Administration , Majored as Investment Analyst (főiskolai)

Scientific degrees and awards

- 2008, PhD
  Maastricht University
- 2017, Dr.Habil
  CUB, Business School

Career

Workplaces

- 2004 - 2008
  Maastricht University, PhD student
- 2008 -
  Corvinus University of Budapest (CUB), Professor (since September 2019), before Associate Professor (since April 2011), before Assistant Professor
- 2011 -
  Game Theory Research Group, ELTE Centre for Economic and Regional Studies, Research fellow (Senior Research Fellow, since 2016)

Public activities in the university (memberships in university bodies)

- 2014 - 2020
  Financial Research Centre, CUB, director
- 2012 - 2016
  M.Sc. in Actuarial and Financial Mathematics, director of the major in quantitative finance at CUB
- 2012 - 2020
  Corvinus lectures in finance, organizer
- 2012 -
  Annual financial market liquidity conference, Budapest: chair of the organizers
- 2010 - 2019
  Faculty of Business Administration, Member of the Research Committee

- 2012 -
  Hungarian Academy of Sciences, Committee of Economics, Subcommittee of Finance, secretary, 2015 vice-president, 2018 president
- 2022 -
  Doctoral School of Economics and Business Informatics, Head

Awards, titles, honors

- 2009, Excellent Researcher Scholarschip
  CUB
- 2010, The young researcher of the year
  CUB Faculty of Business Administration
- 2011, Excellent Researcher Scholarschip
  CUB
- 2012, OTKA Research Scholarship
  OTKA
- 2015, Outstanding publication award
  CUB, Corvinus Business School
- 2016, Excellent Researcher Scholarship
  CUB
- 2016, Research Scholarship
  New National Excellence Program of the Ministry of Human Capacities
- 2017, Research Scholarship
  New National Excellence Program of the Ministry of Human Capacities
- 2019, János Bolyai Research Scholarship
  Hungarian Academy of Sciences
- 2024, Corvinus Gold Medal
  CUB
- 2025, Tamás Rapcsák Award

Language skills

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

Research, professional activity

Major taught courses or fields of education:

Corporate finance, Game Theory, Empirical Finance, Investments

Field of science and discipline:

economics

Colleague CV: Dr. Csóka Péter

Current fields of research:

Financial networks, systemic risk, performance attribution

Previous fields of research:

Risk allocation games, coherent measures of risk, exact game with and without transferable utility, Risk allocation in illiquid markets; credit rationing; portfolio optimization with illiquid assets; social choice theory

Major research projects

- 2010 - 2010, N° EAC/47/2009 Feasibility study to examine the potential need for a student lending facility at European level
  Form of participation: member of the research team
  Moneylender: European Commission Directorate-General for Education and Culture
  Further info about research: The general purpose of the project is to make lifelong learning and mobility a reality, by reducing financial barriers. The main tasks are:+ description and evaluation of present practices+ evaluating the Community Added Value (CAV)+ creating new pan-European institution

- 2012 - 2014, FuturICT.hu – Infocommunication technologies and the society of the future
  Form of participation: member of the research team
  Moneylender:
  Further info about research: Financial systems subprojectInfection analysis and the investigation of cascade effects focus on graph modelling of the interrelated business entities and on evaluating the speed and radius of an infection or the probability of a system collapse. Game theoretical investigations are pursued to measure the fairness of contracts and corresponding risk distributions, and multimedia data mining is applied to reveal the sentiments of a business and discover the correlation and impact of sentiments on the stock prices. In this way, a fast identification of favourable patterns in time series becomes feasible on small time scales, which can give rise to profitable trading where asset prices can follow each other in second and millisecond intervals.

- 2012 - 2015, Risk allocation in illiquid markets and in case of systemic risk
  Form of participation: leader of the research team
  Moneylender: OTKA
  Further info about research: If a financial enterprise (bank, insurance company, investment fund, etc.) consists of subunits (individuals, products, subportfolios, divisions etc.), not only is it important to measure properly the risk of the main entity, but also to allocate the diversification benefits to the subunits using a proper risk allocation method. The purpose of the project is to analyze risk allocation in illiquid markets and in case of systemic risk, using game theory and simulation.

- 2011 - 2012, Measuring and allocating risk of illiquid portfolios
  Form of participation: leader of the research team
  Moneylender: MSCI
  Further info about research: In finance risk capital allocation is an important question from both theoretical and practical point of view. How to share risk of a portfolio among its subportfolios? How to reserve capital in order to hedge existing risk and how to assign this to different business units?We use an axiomatic approach to examine risk capital allocation, i.e. we call for fundamental properties of the methods. The starting point of this working paper is the theorem of Csóka and Pintér (2010) who showed that the requirements of Core Compatibility, Equal Treatment Property and Strong Monotonicity are irreconcilable given that risk is quantified by a coherent measure of

risk. In this project we examine these requirements using analytical and simulation tools.

Membership in scientific or professional bodies/organizations

- 2009 - , member,
  Hungarian Academy of Sciences, Scientists having a PhD, national
- 2009 - , member,
  Society for Economic Modeling, national
- 2007 - , member,
  Hungarian Society of Economists, national
- 2012 - , member,
  Game theory society, international
- 2012 - 2014, Secteraty,
  Hungarian Academy of Sciences, Finance subcommittee , national
- 2010 - 2014, member,
  OTKA KJS, national
- 2015 - 2017, vice-president,
  Hungarian Academy of Sciences, Finance subcommittee , national
- 2017 - , Management Committee Substitute, leadership position (president, director etc)
  COST Action CA16228, European Network for Game Theory, international

Board memberships and positions

- 2016 - 2020, FRL, Associate Editor, president or member of the editorial board
  Foreign language
- 2016 - 2020, JIFMIM, Subject Editor, president or member of the editorial board
  Foreign language
- 2016 - , EMEMAR, Subject Editor, president or member of the editorial board
  Foreign language
- 2016 - , SEF, Associate Editor, president or member of the editorial board
  Foreign language

Expert consultancy activities

- 2010 - 2010
  Hungarian Post Ltd., Liquidity and cash management
- 2013 - 2014
  KELER KSZF, Hungarian Clearing House and Central Counterparty, Validation of risk models
- 2018 - 2018
  KELER KSZF, Hungarian Clearing House and Central Counterparty, Validation of risk models

Publications

- Publications can be found at Magyar Tudományos Művek Tára (MTMT). (MTMT is the offical repository of the university.)

Contacts

Location at the university

- Building: E
  Room number: 263
  Extension:

Colleague CV: Dr. Csóka Péter

Main line:
Fax:
Internal fax:

E-mail address: peter.csoka@uni-corvinus.hu
Personal webpage: https://sites.google.com/view/peter-csoka-personal/home

Consulting hours:

Wednesday, 14:00-15:30

Other professional profiles

LinkedIn: https://www.linkedin.com/in/p%C3%A9ter-cs%C3%B3ka-50273b5b/

MTMT: https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10013432

Scholar: https://scholar.google.hu/citations?user=SwW4jyAAAAAJ&hl=en

Other professional profile 1: https://sites.google.com/view/peter-csoka-personal/home