



## Dr. Csóka Péter

Egyetemi tanár / Professor

### 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, Centre for Economic and Regional Studies, Research fellow (Senior Research Fellow, since 2016)

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

- 2014 -  
Financial Research Centre, CUB, director
- 2012 - 2016  
M.Sc. in Actuarial and Financial Mathematics, director of the major in quantitative finance at CUB
- 2012 -  
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

# Colleague CV: Dr. Csóka Péter

- 2012 - Hungarian Academy of Sciences, Committee of Economics, Subcommittee of Finance, secretary, 2015 vice-president, 2018 president

## Awards, titles, honors

- 2009, Excellent Researcher Scholarship  
CUB
  - 2010, The young researcher of the year  
CUB Faculty of Business Administration
  - 2011, Excellent Researcher Scholarship  
CUB
  - 2012, OTKA Research Scholarship  
OTKA
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- 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

## 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

### Current fields of research:

Risk allocation in illiquid markets; credit rationing; portfolio optimization with illiquid assets; social choice theory, systemic risk

### Previous fields of research:

# Colleague CV: Dr. Csóka Péter

Risk allocation games, coherent measures of risk, exact game with and without transferable utility

## 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

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- 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 subproject Infection 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,

# Colleague CV: Dr. Csóka Péter

- 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
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## Board memberships and positions

- 2016 - , Associate Editor,
- 2016 - , Subject Editor,
- 2016 - , Subject Editor,
- 2016 - , Associate Editor,

## 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 \(MTMT\). \(MTMT is the official repository of the university.\)](#)

## Contacts

### Location at the university

- Building: E  
Room number: 263  
Extension:  
Main line:  
Fax:  
Internal fax:

E-mail address: [peter.csoka@uni-corvinus.hu](mailto:peter.csoka@uni-corvinus.hu)

Personal webpage: <https://sites.google.com/view/peter-csoka-personal/home>

# Colleague CV: Dr. Csóka Péter

## 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=SwW4jyAAAAJ&hl=en>

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

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