



## **Invitation to the**

# **Game Theory, Optimization and Non-linear Dynamics Conference in Memory of Ferenc Szidarovszky**

### **DESCRIPTION**

The Corvinus Institute for Advanced Studies (CIAS) is pleased to invite you to the Game Theory, Optimization and Non-linear Dynamics Conference in Memory of Ferenc Szidarovszky. From 1986, he worked at the Institute of Mathematics and Computer Science at the Karl Marx University of Economics (now Corvinus). Since 1990, he has been a Professor in the Department of Systems and Industrial Engineering at the University of Arizona, USA. From 2007 to 2013, he was a Professor at the Institute of Mathematics and Computer Science, University of Pécs, Hungary. In retirement, he continued his teaching activities as an emeritus professor at the Corvinus University. The event is dedicated to honouring Szidar's life and academic work.

Ferenc Szidarovszky has been a distinguished researcher, a best teacher, and a big buddy who loves jokes. His research interests vary widely, ranging from game theory, numerical methods, multi-objective programming to dynamic system theory, including nonlinear economic dynamics, delay differential equations, static and dynamic oligopoly. He published 24 books and authored more than 400 scientific publications in international peer-reviewed journals. His work received over 10,000 citations, and his h-index reached 47. He led numerous international research projects, including the National Science Foundation (NSF) grants in the United States and the Japan Society for the Promotion of Science. His international collaborations extend to Tokyo Metropolitan University, Chuo University, the University of Technology Sydney, Vienna University of Technology, and the University of Southern Denmark, to name only a few.

We academically and socially owe much to Ferenc Szidarovszky. This conference expresses a modest sign of our gratitude.

## DETAILS

- **Date and time:** 3 July (Thursday) 2025, 1:00 p.m. to 7.00 p.m.
- **Venue:** Corvinus University of Budapest, E building, Faculty Club  
1093 Budapest Fővám sqr. 8.
- To access the event online via **MS Teams**:
  - Click on this [\[LINK\]](#), or use
  - **ID:** 341 356 827 787 4 and **PASSWORD:** 3iQ3Rm78

AGENDA		
SCHEDULE	SPEAKER	TITLE OF PRESENTATION
13:00-13:30	Arrival and Registration	
13:30- 13:40	Welcome and opening	
	Zoltán Oszkár SZÁNTÓ (CIAS Dean) and Akio MATSUMOTO (Chuo University)	Opening Remarks
	<b>1. Section</b> Chaired by: Zoltán Oszkár Szántó	
13:40-14:00	Tamás SZIDAROVSKY (Eötvös Loránd University)	Quantum chemistry
14:00-14:20	Akio MATSUMOTO (Chuo University)	Emission Control in an Oligopoly Game with Product Differentiation
14:20-14:40	<u>Attila TASNÁDI</u> (Corvinus University of Budapest) – Iwan BOS (Maastricht University) – Marco MARINI (Sapienza University, Rome)	Mergers with price setting or quantity setting firms
14:40-15:00	Pierre VAN MOUCHE (Wageningen University)	The Selten-Szidarovszky Technique
15:00-15:20	Q&A	
15:20-15:40	Coffee Break	

	<b>2. Section</b> <b>Chaired by: Akio Matsumoto</b>	
<b>15:40- 16:00</b>	<b>Gian Italo BISCHI</b> (University of Urbino)	Fishery models with competitors, cooperators, and biomass expectations
<b>16:00- 16:20</b>	<b>Péter TALLÓS – Zoltán KÁNNAI – Imre SZABÓ</b> (Corvinus University of Budapest)	Reduction of the control set in dynamical systems
<b>16:20- 16:40</b>	<b>Sándor MOLNÁR</b> (HUN-REN Institute for Computer Science and Control) – <b>Márk MOLNÁR</b> (Eötvös Loránd University)	Qualitative Properties of Complex Systems
<b>16:40- 17:00</b>	<b><u>Dániel KEHL</u> – József VÖRÖS – Gábor RAPPAI</b> (University of Pécs)	Recent changes in the efficient frontier of Nikkei 225 portfolio
<b>17:00- 17:20</b>	<b>Q&amp;A</b>	
<b>17:20- 19:00</b>	<b>Closing Remarks, Buffet Dinner and Networking</b>	

**WE ARE LOOKING FORWARD TO SEEING YOU!**