

# MÁTÉ CSANÁD



## POSITIONS:

2023-present	Director, Environmental Science Center, Eötvös University, Budapest
2022-present	Professor, Eötvös University, Budapest
2022-present	Collaborating scientist, The Works Research Institute, The Netherlands
2015-2016	Visiting researcher, Stony Brook University, NY, USA (8 months)
2010-2022	Assistant/Associate Professor, Eötvös University, Budapest
2007-2010	Postdoctoral researcher & lecturer, Eötvös University, Budapest
2008-2009	Visiting researcher, CERN, Switzerland (6 months)
2006	Visiting researcher, Stony Brook University, NY, USA (5 months)
2005	Visiting researcher, Brookhaven National Laboratory, NY, USA (10 months)

## EDUCATION:

2004-2007	Eötvös Loránd University, PhD in physics & astronomy
2005-2006	Stony Brook University, visiting PhD student in physics
1999-2004	Eötvös Loránd University, MSc in physics & German special translator
1998-1999	Leopold Franzens Universität, Innsbruck, Austria, major of physics

## GRANTS AND FELLOWSHIPS:

Principal Investigator in NRDI grants (in total 300 million HUF): K138136 (2021-25), 2023-1.1.1-PIACI_FÓKUSZ-2024-00040 (2024-2026) MEC_SZ148876 (2024-25), 2019-2.1.11-TÉT-2019-00080 (2020-22), FK123842 (2017-22)
Senior participant in NRDI grants (six NK/K "OTKA" grants since 2008)
Bolyai+ Scholarship, Hungarian Ministry of Human Capacities, 2018/2019 & 2019/2020
New National Excellence Scholarship, Hungarian Ministry of Human Capacities 2017/2018
Bolyai Scholarship, Hungarian Academy of Sciences, 2016-19 & 2009-12 (evaluation: outstanding)
Senior Leaders and Scholars Fellowship, Hungarian-American Enterprise Schol. Found., 2015/2016
Fulbright Alumni Conference Travel Award, 2023
Fulbright Postgraduate Scholarship, 2005/2006

## HONOURS AND AWARDS:

Bolyai Plaque of the Hungarian Academy of Sciences, 2021
Jánossy Lajos prize, Roland Eötvös Physical Society, 2021
Imreh Csánád Prize of National Council of Student Research Societies, 2021
TDK (Undergraduate Research Supervision) Medal of the Eötvös University, 2020
Hungarian Order of Merit, Knight's Cross, 2020
Fellow of the Young Academy of Europe, 2017-2023
Promising researcher of the Eötvös University, 2018
Five Diplomas by G. 't Hooft and A. Zichichi, at the ISSP, Erice, (2005, 2006, 2011, 2013, 2016)
Participation award for the 58th Meeting of Nobel Laureates at Lindau, 2008
Excellent Student of the Eötvös University and Scholarship of the Hungarian Republic, 2003/2004

## RESEARCH STATISTICS:

Papers:	>1100 (>1000 peer-reviewed, >70 with <5 authors, $\Sigma IF$ : >4000)
Citations:	>70000 total, >40000 independent (>500 to ones with <5 authors)
International conferences:	>80 talks (>30 invited), 18 posters

## RESEARCH TOPICS:

STAR Collaboration (2019- )	<i>Femtoscopia, flow, Event Plane Detector</i>
CMS Collaboration (2016- )	<i>Femtoscopia, flow, Zero Degree Calorimeter</i>
TOTEM Collaboration (2008-17)	<i>Data monitoring software, pseudorapidity density &amp; p+A collisions</i>
PHENIX Collaboration (2003- )	<i>Femtoscopia, flow, ultra-peripheral collisions, Zero Degree Calorimeter</i>
High energy physics (2003- )	<i>Phenomenology of heavy ion physics, hydrodynamics, femtoscopia</i>
The Works Research Ins (2022- )	<i>Fluid oscillations, sound waves, signal processing</i>

## TEACHING AND SUPERVISION:

Classes taught:	<i>Atomic, quantum, nuclear and environmental physics; &gt;100 classes since 2004</i>
Theses:	<i>6 Physics PhD (3 ongoing), &gt;20 Physics BSc, 5 Physics MSc, 5 Env. Sci. BSc</i>
My students' awards:	<i>National and Faculty Student Research Council (&gt;20 prizes), Pro Scientia medal of the Hungarian Ministry of Human Capacities (2), New National Excellence Prog., Hungarian Ministry of Human Cap. (15 grants), International School of Subnuclear Physics (3 diplomas), Excellent Student of the Eötvös University (7), and others</i>

## MEMBERSHIPS, SERVICES TO THE COMMUNITY:

2023-present	Workshop on Particle Corr. and Femtoscopia, Internat'l Advisory Committee, member
2022-present	Faculty Council, Faculty of Science, Eötvös University, member
2022-present	Zimányi School International Advisory Committee, chair
2021-present	NCN Poland ST2 Review Panel, member
2021-present	Particle Physics Scientific Council of the Hungarian Academy of Sciences, member
2019-present	STAR Council, member
2014-present	scientific secretary of meetings such as 10 <sup>th</sup> BGL, 24 <sup>th</sup> Low-x, 10 <sup>th</sup> WPCF, 52 <sup>nd</sup> ISMD
2012-present	Council of the Environmental Sciences Centre (Eötvös University), member/director
2012-2013	OTKA Hungary, Physics Jury, member
2010-2022	Zimányi School Winger Workshop, chair, main organizer
2010-present	PHENIX Collaboration Board, member
2008-present	Hungarian Fulbright Association, management board member

## DATE AND PLACE OF BIRTH:

Budapest, 1980.

## CITIZENSHIP:

Hungary

## PHD:

"Experimental and Theoretical Investigation of Heavy Ion Collisions at RHIC"  
Eötvös University, 2007  
Summa cum laude

## HABILITATION:

"Time evolution of high energy heavy ion collisions"  
Eötvös University, 2013

## DSC (DOCTOR OF THE ACADEMY OF SCIENCES):

"Space-time structure of high energy heavy ion collisions"  
Hungarian Academy of Sciences, 2021

## CURRENT POSITION:

Professor,  
Dept. of Atomic Physics,  
Eötvös Loránd University  
Director,  
Env. Science Center,  
Eötvös Loránd University

## ADDRESS:

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