Curriculum Vitae

Personal details

Name Position Institute Office phone E-mail	Takács, Gábor Full professor Head of BME "Momentum" Statistical Field Theory Research Group Department of Theoretical Physics Budapest University of Technology and Economics H-1111 Budapest, Budafoki út 8. +36-1-4634110 takacsg (at) eik.bme.hu
	Employment
1992-1993	Institute for Theoretical Physics, Eötvös University Research assistant with scholarship of the Scientific Qualification Committee (TMB), Hungarian Academy of Sciences
1993-1996	HAS-Eötvös Theoretical Physics research group, Eötvös University assistant research fellow
1996-1997	HAS-Eötvös Theoretical Physics research group, Eötvös University, Budapest research fellow
1997-1999	Theory Group of INFN Sezione di Bologna postdoctoral fellow
1999-2001	•
2001-2002	Institute for Theoretical Physics, Eötvös University Magyary Zoltán postdoctoral fellow
2002-2005	Institute for Theoretical Physics, Eötvös University OTKA postdoctoral fellow
2005-2010	HAS-Eötvös Theoretical Physics research group, Eötvös University senior research fellow
2010-2012	HAS-Eötvös Theoretical Physics research group, Eötvös University scientific advisor
2012-2014	Institute of Physics, Budapest University of Technology and Economics scientific advisor
2012-2017	MTA-BME "Momentum" Statistical Field Theory Research Group scientific advisor, head of group

2014-	Department of Theoretical Physics, Budapest University of Technology and Economics full professor
2017-	BME "Momentum" Statistical Field Theory Research Group head of group
	Education
1983-1987	Katona József Gimnázium, Kecskemét (secondary grammar school)
	National Secondary School Competition (OKTV) mathematics: 9th (1986), 3rd (1987) chemistry: 10th (1987)
	International Chemistry Olympiade, 1987: silver medal
1987-1992	Eötvös University, Budapest,
1001 1002	Faculty of Sciences, M.Sc. course in physics
1991-1992 1992	1 3 1
1992	Diploma (M.Sc.) in physics with distinction Diploma work topic: Conformal Field Theory
	Supervisor: Prof. Zalán Horváth, Institute for Theoretical Physics
	Thesis: "Investigation of classical A ₂ Toda field theory"
1992-1993	Scholarship of the Scientific Qualification Committee (TMB), Hungarian Academy of Sciences
1993-1995	Ph.D. student and research assistant, Eötvös University,
	Institute for Theoretical Physics
	Research topic: Two Dimensional Integrable Field Theories Supervisor: Prof. Zalán Horváth
1994-1996	Member of Bolyai College, Eötvös University
1995-1996	Visiting research student at
	Dept. of Applied Mathematics and Theoretical Physics (DAMTP)
	University of Cambridge, Cambridge, UK
	Member of Darwin College
	Supervisor: Dr. G. M. T. Watts (until March, 1996),
	Dr. J. M. Evans (from March, 1996) Research topic: Integrable and Conformal Field Theories
1996	Certificate of Proficiency in English, grade "A"
	Academic degrees
1996	Ph.D. from Eötvös University with the result "Summa cum laude"
	Thesis: "Free field representation for the form factors of the O(3) nonlinear sigma model and its generalizations"

2005	Habilitation (dr. habil) from Eötvös University
2008	Doctor of the Hungarian Academy of Sciences (DSc) DSc thesis: "Finite size effects in quantum field theory"
	Scholarships, fellowships and prizes
1995-1996	Scholarship of the Cambridge Overseas Trust
1997-1999	INFN postdoctoral fellowship
1000 0001	Theory Group of INFN Sezione di Bologna
1999-2001	PPARC postdoctoral fellowship
2001 2002	Department of Mathematics, King's College London Magyary Zoltán postdoctoral fellowship, Foundation for
2001-2002	Hungarian Higher Education and Research,
	Hungarian Ministry of Education Eötvös University, Institute for Theoretical Physics
2002-2005	Széchenyi István scholarship, Hungarian Ministry of Education
2002-2005	OTKA postdoctoral fellowship
	Eötvös University, Institute for Theoretical Physics
2003	Academy Prize for young researchers, Hungarian Academy of Sciences
2005-2008	Bolyai János research scholarship, Hungarian Academy of Sciences
2008	Novobátzky prize, Eötvös Loránd Physical Society
2017	BME's most significant scientific publication 2016 M. Kormos, M. Collura, G. Takács and P. Calabrese,
	Nature Physics 13: pp. 246-249 (2017, online advanced publication: 2016)
2018	BME's most outstanding scientific publication 2013-2017 B. Pozsgay, M. Mestyán, M.A. Werner, M. Kormos, G. Zaránd and G. Takács, <i>Physical Review Letters</i> 113 :(11) Paper 117203 (2014)
N	1embership and roles in professional organizations
2000-	Eötvös Loránd Physics Society
2001-2004	President of the Particle Physics Section of the Eötvös Loránd Physics Society
2004-2007	Secretary of the Particle Physics Section of the Eötvös Loránd Physics Society
2006-2010	Physics panel of the Hungarian Scientific Research Fund
2008-2009	Council of Research Units of the Hungarian Academy of

of Sciences
2008-2011 Secretary of the Committee on Particle Physics, Section of Physical Sciences, Hungarian Academy of Sciences

2008-2010 Council of the Research Network of the Hungarian Academy

Sciences

	Sciences
2011-2014	Coordinator of the physical sciences section (2008-2010) Chairman of the Committee on Particle Physics, Section of
2011 2011	Physical Sciences, Hungarian Academy of Sciences
2014-2017	Deputy chairman of the Committee on Particle Physics,
	Section of Physical Sciences, Hungarian Academy of Sciences
2014-	Supervisory Committee of Bolyai College Foundation
2017-	Committee on Statistical Physics, Section of Physical Sciences, Hungarian Academy of Sciences
2018-	Editorial Board of Fizikai Szemle
2010	(monthly journal of Eötvös Loránd Physics Society)
l	University organisation: roles and responsibilities
2014-2017	ELTE Physics Habilitation Committee
2014-	BME Physics Doctoral School Council
2014-	BME Physics Habilitation and Doctoral Council
2014-	BME Faculty of Science Council
2015- 2015-	Secretary of BME Physics Education Committee Deputy director (education), BME Institute of Physics
2013- 2017-	ELTE Science Faculty Habilitation Council
	Other professional activities
2002 2000	
2003-2009	Tutor of the physics section of Bolyai College
	Grants (as principal investigator)
2001-2003	FKFP 0043/2001 research grant
	Integrable and conformal field theories, dynamical symmetries and their applications
2002-2005	OTKA D42209 postdoctoral grant
	Nonperturbative investigation of two-dimensional quantum field
	theories
2008	NKTH Apponyi Albert (Mecenatúra) grant BOMMRG08
2009 2012	Organization of "Renormalization Group" Bolyai intensive course OTKA K75172 research grant
2006-2012	Correlation functions and finite size effects in two-dimensional
	quantum field theories
2012-2017	LP2012-50/2012 "Momentum" grant of the Hungarian Academy
	of Sciences
	Statistical Field Theory in Condensed Matter
	(MTA-BME "Momentum" Statistical Field Theory Research Group)

Young Researchers' Council of the Hungarian Academy of

2008-

2013-2015	FP7-PEOPLE-2012-IIF (Marie Curie) grant
	Project number 330076 "Quantum Quench"
	Role: scientist-in-charge, fellow: Márton Kormos
2013-2015	MTA-CNR Mobility Grant SNK-84/2013
2014-2016	MTA Postdoctoral Grant
	Role: supervisor, fellow: Tamás Pálmai
2016-2020	NKFIH K2016 grant no. 119204
	Dynamics of Strongly Correlated Quantum Systems

Organization of schools and conferences

International conferences and schools

2003	EUCLID 2003 Summer School on Nonperturbative methods in low dimensional integrable models
2004	Organizer
2004	6th Bologna Workshop on <i>CFT and Integrable Models</i> Member of Scientific Board
2006	7th Bologna Workshop <i>on CFT and Integrable Models</i> Member of Scientific Board
2008	Bolyai Intensive Course on <i>Renormalization Group Methods in Physics</i> Principal organizer
2010	Workshop on <i>Time-dependent dynamics and non-equilibrium</i> quantum systems Organizer
2011	35th Johns Hopkins Workshop on <i>AdS/CFT and its Applications</i> Organizer
2012	Zalán Horváth Memorial Workshop Organizer
2014	Workshop on Finite-size Technology in Low Dimensional Quantum Systems (VII) + Conference on Integrability in Low Dimensional Quantum Systems Organizer

Organizer of Hungarian Summer Schools on Theoretical Physics

1997	Nonperturbative results in supersymmetric gauge theories
2002	New developments in gauge theories, gravitation and strings
2004	Cosmology
2005	QCD 2005
2006	Experiments and Einstein's theory of gravitation
2007	Physics at the LHC

Participation at international schools

1992	Winter School on Nuclear and Particle Physics, Schladming, Austria
1992	Eötvös Graduate School on "Selected Topics on Quark Confinement", Budapest, Hungary
1993	International School on Astroparticle Physics, Budapest, Hungary
1994	XXXth Karpacz Winter School on "Quantum Groups" Karpacz, Poland
1994	Spring School and Workshop on String Theory, Gauge Theory and Quantum Gravity International Center for Theoretical Physics, Trieste, Italy
1995	Spring School and Workshop on String Theory, Gauge Theory and Quantum Gravity International Center for Theoretical Physics, Trieste, Italy
1995	Les Houches Summer School in Theoretical Physics Session LXIV on "Quantum Symmetries" Les Houches, France
1997	Spring School on String Theory, Gauge Theory and Quantum Gravity International Center for Theoretical Physics, Trieste, Italy
1999	Spring Workshop on String Theory and Related Matters International Center for Theoretical Physics, Trieste, Italy
2001	Summer School on Low Dimensional Quantum Systems International Center for Theoretical Physics, Trieste, Italy