

# Tamás Görbe — Curriculum Vitae

December 7, 2018

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## Contact details

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			<b>arXiv</b>	arxiv.org/a/gorbe_t_1

## Employment

09/2018 - 08/2020	<b>Marie Curie Research Fellow</b>	—	School of Mathematics, University of Leeds
01/2018 - 08/2018	<b>Assistant Professor</b>	}	Department of Theoretical Physics, University of Szeged
12/2017 - 07/2017	<b>Research Fellow</b>		
09/2016 - 06/2017	<b>Predocctoral Research Fellow</b>		

## Education

2013 - 2016 **PhD in Mathematical Physics**, University of Szeged  
Thesis: *Integrable many-body systems of Calogero-Ruijsenaars type*  
Supervisor: László Fehér

2011 - 2013 **MSc in Applied Mathematics**, University of Szeged  
Thesis: *Group-theoretic treatment of integrable systems*

2007 - 2011 **BSc in Mathematics**, University of Szeged  
Thesis: *Lie groups and related algebraic structures*

**Research Interests:** Mathematical Physics; Integrable Systems

## Research Grants

09/2018 - **Marie Skłodowska-Curie Individual Fellowship (MSCA-IF)** Project acronym: INTSYS  
08/2020 *Algebraic, Geometric, and Field-theoretic Aspects of Integrable Many-Body Systems*  
Type: Fellowship | Role: **PI** | PI: Tamás Görbe  
Value: EUR 195,454.80 ( $\approx$  £173,500)

09/2016 - **New National Excellence Programme (ÚNKP)** Grant no. ÚNKP-16-3  
06/2017 *Geometric and field-theoretic aspects of integrable systems*  
Type: Fellowship | Role: **PI** | PI: Tamás Görbe  
Value: HUF 3,500,000 ( $\approx$  £10,000)

09/2014 - **Hungarian Scientific Research Fund (OTKA)** Grant no. K-111697  
08/2018 *Group-theoretic aspects of integrable systems and their dualities*  
Type: Research Grant | Role: **Researcher** | PI: László Fehér  
Value: HUF 6,670,000 ( $\approx$  £19,000)

03/2013 - **National Excellence Programme (NKP)** Grant no. A2-ELMH-12-0027  
01/2014 *The trigonometric BC(n) Sutherland system and its action-angle dual*  
Type: Fellowship | Role: **PI** | PI: Tamás Görbe  
Value: HUF 1,000,000 ( $\approx$  £2,850)

07/2009 - **Hungarian Scientific Research Fund (OTKA)** Grant no. K-77400  
12/2013 *Integrable many-body and field-theoretic models*  
Type: Research Grant | Role: **Student participant** | PI: László Fehér  
Value: HUF 14,656,000 ( $\approx$  £41,750)

**Scientific Societies:** Public body of the Hungarian Academy of Sciences • János Bolyai Mathematical Society  
• Roland Eötvös Physical Society

**Acted as Referee/Reviewer for:** Journal of Nonlinear Mathematical Physics • Letters in Mathematical Physics • Symmetry, Integrability and Geometry: Methods and Applications (SIGMA) • Mathematical Reviews • Zentralblatt MATH

### Short Academic Visits

- University of Leeds (05/2017 - 06/2017) Hosts: Oleg Chalykh and Simon Ruijsenaars
- Chalmers University of Technology, Gothenburg (05/2017) Host: Martin Hallnäs
- University of Leeds (10/2016) Host: Simon Ruijsenaars
- University of York (10/2016) Hosts: Ed Corrigan and Niall MacKay
- Loughborough University (10/2016) Host: Martin Hallnäs
- CRM Ennio De Giorgi, Pisa (12/2014 - 01/2015) Research Programme: "Perspectives in Lie Theory"
- CRM, Barcelona, (09-14/09/2013) Research Programme: "Geometry and Dynamics of Integrable Systems"

### Selected Conference/Seminar Talks

- Finite Dimensional Integrable Systems in Geometry and Math.Phys. (FDIS-2017) Conference, CRM, Barcelona
- Analysis and Probability Seminar (16/05/2017) Chalmers University of Technology
- Integrable Systems Seminar (21/10/2016) University of Leeds
- Mathematical Physics Seminar (20/10/2016) University of York
- Geometry and Mathematical Physics Seminar (05/10/2016) Loughborough University
- Integrable systems and Quantum Symmetries (ISQS-23) Conference (26/06/2015) Prague
- Representation Theory Seminar (16/04/2015) KdV Institute, University of Amsterdam

### Teaching Experience

**Teaching duties in the academic year 2018/2019:** *MATH1055 Numbers and Vectors*

**Teaching duties in the academic year 2017/2018:** *Analytical Mechanics • Application of Symbolic Languages in Physics • Mathematical Methods in Physics 2 • Statistical Physics*

**Undergraduate and Masters courses at the University of Szeged since 2010:**

Analytical Mechanics • Application of Symbolic Languages in Physics • Group Theory in Physics • Linear Algebra for Physicists • Mathematical Methods in Physics 1 & 2 • Selected Topics in Math. Phys. • Statistical Physics

### Awards & Honours & Fellowships

- 2018 *30 under 30 / Science*, Forbes magazine, Hungary
- 2018 *Pro Laudanda Promotio Award*, PhD research of outstanding quality, University of Szeged, Hungary
- 2017 *Gyula Farkas Memorial Award*, János Bolyai Mathematical Society, Hungary
- 2017 *50 Talented Young Hungarians*, La femme magazine, Hungary (<http://lafemme.hu/tehetseg>)
- 2016 *Junior Templeton Fellowship*, Hungarian Templeton Program (<http://templetonprogram.hu/en>)
- 2016 *List of Excellence* – Silver degree among PhD students, University of Szeged
- 2015 *3<sup>rd</sup> prize*, Scientific Competition, Hungarian Academy of Sciences
- 2015 *List of Excellence* – Bronze degree among PhD students, University of Szeged
- 2013 *Excellent Student of Faculty*, Faculty of Science and Informatics, Uni. of Szeged
- 2013 *Special Award*, XXXI. National Scientific Students' Associations Conference, Budapest, Hungary
- 2012 *1<sup>st</sup> prize*, Scientific Students' Associations Conference, Szeged, Hungary