

Gian Marco Canneori

Curriculum Vitae et Studiorum

PERSONAL INFORMATION

Born 21 February 1992
Nationality Italian
email gian.marco.canneori@gmail.com

EMPLOYMENT

Assistant Professor (Ricercatore a tempo det. di tipo A) Feb 2022 – now
Università di Torino

Recipient of a 6 months research scholarship Jul 2021 – Jan 2022
Università di Torino

Recipient of a 6 months research scholarship Dec 2020 – Jun 2021
Università di Torino

EDUCATION

PhD in Pure and Applied Mathematics 2021
Università di Torino, Politecnico di Torino

- Advisors: Prof. Susanna Terracini, Prof. Vivina Barutello
- Thesis: *Anisotropic gravitational interactions: variational approach and symbolic dynamics*
- Final mark: Graduate with honors (April 9, 2021)

M.Sc. in Mathematics 2017
Università degli Studi di Perugia

- Supervisor: Prof. Dimitri Mugnai
- Final mark: 110/110 *cum laude*

B.Sc. in Mathematics 2015
Università degli Studi di Perugia

- Final mark: 110/110 *cum laude*

High School Diploma
Liceo Scientifico Jacopone da Todi

2011

- Final mark: 100/100

PUBLICATIONS AND PREPRINTS

1. **Symbolic dynamics for the anisotropic N -centre problem at negative energies**, with *V. Barutello* and *S. Terracini*.
Arch. Rational. Mech. Anal., 242, pp. 1749–1834 (2021), DOI: [10.1007/s00205-021-01714-8](https://doi.org/10.1007/s00205-021-01714-8)
2. **Minimal collision arcs asymptotic to central configurations**, with *V. Barutello* and *S. Terracini*.
Discrete Contin. Dyn. Syst., 41 (1) pp. 61–86 (2021), DOI: [10.3934/dcds.2020218](https://doi.org/10.3934/dcds.2020218)
3. **The planar anisotropic N -centre problem at negative energies**.
Rend. Semin. Mat. Univ. Politec. Torino, 78 (2) pp. 51–62 (2020)
4. **On fractional plasma problems**, with *D. Mugnai*
Nonlinearity, 31 (7) pp. 3251–3283 (2018), DOI: [10.1088/1361-6544/aaba37](https://doi.org/10.1088/1361-6544/aaba37)

INVITED TALKS

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| Oberseminar Dynamische Systeme | May 2023 |
| <i>Fakultät für Mathematik, Ruhr-Universität Bochum, Bochum, Germany - Seminar</i> | |
| Barcelona UB-UPC DSG Seminar | Apr 2023 |
| <i>Facultat de Matemàtiques i Estadística, Universitat Politècnica de Catalunya, Barcelona, Spain - Seminar</i> | |
| Geometric and Variational Methods in Celestial Mechanics | Jun 2022 |
| <i>Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Casa Matemática Oaxaca (CMO), Oaxaca, Mexico - Conference</i> | |
| Mathematical Congress of the Americas 2021 | Jul 2021 |
| <i>Special session: Geometric and variational methods in Celestial Mechanics, Departamento de Matemática, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina - Conference (online)</i> | |
| Oberseminar | Dec 2020 |
| <i>Institut für Mathematik, Universität Augsburg, Augsburg, Germany - Seminar (online)</i> | |
| Joint Oxford-Cambridge PDE Seminar | Jun 2020 |
| <i>University of Oxford, Oxford, United Kingdom - Seminar (online)</i> | |
| New Trends in Celestial Mechanics | Jun 2019 |
| <i>Università di Torino, Cogne - Conference</i> | |
| Topics in Symplectic Geometry | May 2019 |
| <i>Institut für Mathematik, Universität Augsburg, Augsburg, Germany - Seminar</i> | |

CONTRIBUTED TALKS

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| First UMI meeting of PhD Students | May 2022 |
| <i>In the occasion of the Conference 100 Years UMI - 800 Years UniPd, Università degli Studi di Padova, Padova, Italy - Conference</i> | |

INVITED LECTURER AT RESEARCH SCHOOLS

The N–Body Problem, Old and New

8–18 Jun 2022

International research school organised by CIMPA and Universidad Autonoma de Chipas, San Cristobal de Las Casas, Mexico

Course: Collision orbits for anisotropic singular problems

HOLDER OF PHD COURSES

Selected topics in Celestial Mechanics

Apr–May 2023

PhD program in Pure and Applied Mathematics, Università di Torino, Politecnico di Torino

RESEARCH VISITS

Institut für Mathematik, Universität Augsburg

Apr – May 2019

Supervisor: Dr. Lei Zhao

ORGANIZATION

Interactions between PDEs and dynamical systems

2022–23

Working Group – Dipartimento di Matematica "Giuseppe Peano", Università di Torino

A 3-day workshop in Hamiltonian Systems and Celestial Mechanics

Dec 2022

Workshop – Dipartimento di Matematica "Giuseppe Peano", Università di Torino

New Trends in Celestial Mechanics

Jun 2019

Conference – Università di Torino, Cogne

Mathematics PhD Seminars

2017–2020

Seminar Cycle – Dipartimento di Matematica "Giuseppe Peano", Università di Torino

TEACHING

Analisi Matematica 1 (INT0393)

2022/2023

Corso di Laurea Triennale in Matematica per la Finanza e l'Assicurazione, Università di Torino

Matematica (AGR0011)

2022/2023

Corsi di Laurea Triennale in Tecnologie Alimentari, Viticolura ed Enologia, Università di Torino

Matematica (AGR0057)

2022/2023

Corsi di Laurea Triennale in Scienze e Tecnologie Agrarie, Scienze Forestali ed Ambientali, Università di Torino

Teaching assistant for Analisi Matematica Due

Apr – Jul 2021

Corso di Laurea Triennale in Matematica, Università di Torino

Teaching assistant for Analisi Matematica

Apr – Jul 2021

Corso di Laurea Triennale in Informatica, Università di Torino

Teaching assistant for Analisi Matematica Due

Oct 2020 – Jan 2021

Corso di Laurea Triennale in Matematica, Università di Torino

Teaching assistant for Analisi Matematica 2

Oct 2020 – Jan 2021

GRANTS

GNAMPA-INdAM Conferences, School and Workshops grant	Sep 2022
<i>Workshop: A 3-day workshop in Hamiltonian Systems and Celestial Mechanics, Dipartimento di Matematica "Giuseppe Peano", Università di Torino</i>	
CUP E55F22000270001, Amount of the grant: 1000€	
PhD Scholarship extension (Covid-19 pandemic)	Oct 2020
<i>2 months scholarship, Università di Torino</i>	
PhD Scholarship	Oct 2017
<i>3 years scholarship, Università di Torino, Politecnico di Torino</i>	

DIRECTION OF RESEARCH PROJECTS

P.I. of a GNAMPA-INdAM Research Project	May 2022
<i>Title: Dinamica simbolica e soluzioni periodiche per problemi singolari della Meccanica Celeste</i>	
CUP E55F22000270001, Amount of the grant: 3500€, 1 year	

PARTICIPATION IN RESEARCH PROJECTS

Self-financed Research Project – Università di Torino	2019 – now
<i>Title: Sistemi dinamici non lineari, P.I. Prof. Susanna Terracini</i>	
Local Research Project – Linea A – Università di Torino	2020
<i>Title: Equazioni differenziali non lineari e applicazioni, P.I. Prof. Paolo Caldiroli</i>	
Local Research Project – Linea A – Università di Torino	2019
<i>Title: Equazioni differenziali non lineari e applicazioni, P.I. Prof. Marino Badiale</i>	
ERC Advanced Grant 2013 n.339958 – COMPAT	2017 – 2019
<i>Title: Complex Patterns for Strongly Interacting Dynamical Systems, P.I.: Prof. Susanna Terracini</i>	
Local Research Project – Linea A – Università di Torino	2018
<i>Title: Equazioni differenziali non lineari e applicazioni, P.I. Prof. Paolo Caldiroli</i>	
Junior Local Research Project – Linea B – Università di Torino	2018
<i>Title: Problemi non lineari, P.I. Dr. Francesca Colasuonno</i>	

OTHER ACTIVITIES

Referee for: **Nonlinearity, Communications on Pure and Applied Analysis, Celestial Mechanics and Astrodynamics, Rendiconti del Seminario Matematico Università e Politecnico di Torino**
Editor of a special volume for **Rend. Semin. Mat. Univ. Politec. Torino**
in the occasion of the Conference New Trends in Celestial Mechanics (2019)

LANGUAGES

<i>Italian</i>	Mother tongue
<i>English</i>	Advanced , IELTS Academic (2017), final mark: 7
<i>Spanish</i>	Intermediate
<i>French</i>	Elementary