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# Curriculum vitæ

Marco Serone

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## Academic Titles and Positions

- July 1994: *Laurea Degree* in Physics at the University of Rome “La Sapienza”, advisor Prof. Guido Martinelli.
- October 1997: Ph.D. in Physics at SISSA, Trieste, advisors Dr. E. Gava and Prof. K.S. Narain.
- September 1997- August 1999: post-doc of the “Nederlandse Organisatie voor Wetenschappelijk Onderzoek” (NWO), Dutch Organization for Scientific Research, at the Departments of Mathematics of the University of Amsterdam (UvA).
- September 1999-August 2000: post-doc of the “Fundamenteel Onderzoek der Materie” (FOM), Fundamental Research on Matter, at the Departments of Mathematics and Physics of the University of Amsterdam (UvA) and at the Spinoza Institute, University of Utrecht.
- September 2000: “assegnista di ricerca” (advanced fellow) at SISSA.
- January 2004: Researcher in Theoretical Physics at SISSA.
- July 2006: Associate Professor of Theoretical Physics at SISSA.
- May 2010 - December 2019: Scientific Consultant at “The Abdus Salam International Centre for Theoretical Physics” (ICTP), Trieste.
- Since December 2016: Professor in Theoretical Physics at SISSA.
- 2023: IHES, Visiting Professor, Louis Michel Chair

## Teaching Experience

- Ph.D. courses at SISSA on “String Theory II” (2000–2005), “Quantum Field Theory I” (2006–2022) and “Differential Geometry and Group Theory” (from 2022).
- Advisor of 17 Ph.D. and 5 Master students. Member of 8 examination committees for Ph.D. and 1 for Master as external advisor.
- 2009-2012: course on “Quantum Field Theory” at the ICTP High Energy Physics “Diploma Programme”; 2010: course on “Relativistic Quantum Mechanics” at the ICTP “Basic Physics Diploma Programme”.

- Lecturer at 7 international schools

### **Outreach**

- 2015: Article “Accordi Fondamentali”, written for the general public INFN magazine “Asimmetrie”, n.18, april 2015.
- November 2017: Colloquium for the U. Saba primary school in Trieste “Curiosando nel sistema solare”.
- June 2019: Interview (in Italian) “Will we ever find a theory of everything?” for ANSA, Italian Agency of Associated Press.
- February 2020: Talk at “SISSA for Schools” for high school students: “L’unificazione delle forze”.
- April 2023: Interview for Quanta magazine for article “How to Tame the Endless Infinities Hiding in the Heart of Particle Physics”:  
<https://www.quantamagazine.org/alien-calculus-could-save-particle-physics-from-infinities-20230406/>

### **Organization Activity**

- Scientific organizer of 11 among national and international schools, workshops and conferences
- Referee for most of the scientific journals in the high energy sector
- June 2006 - December 2013, local coordinator for Trieste of the INFN project (“iniziativa specifica”) “Milano 12” (IS MI12).
- April 2007 - October 2007, local coordinator for Trieste of the FP6 European Program MRTN-CT-2004-005104 “Constituents, Fundamental Forces and Symmetries of the Universe” (Force-Universe)
- Since 2009, INFN Research Assignment (“Incarico di Ricerca”).
- Grant Reviewer for the Swiss National Science Foundation (SNSF), the French National Agency for Research (ANR), the Evaluation of the Italian Quality of Research (VQR), the University and Research Evaluation Agency (ANVUR), the Scientific Independence of young Researchers (SIR), the German National Agency for Research (DFG), Starting and Consolidator ERC.
- June 2016 - May 2018, Coordinator of the Theoretical Particle Physics (TPP) group at SISSA.
- May 2018 - October 2022, member of the SISSA Academic Senate.
- October 2021 - September 2023, Coordinator of the Theoretical Particle Physics (TPP) group at SISSA.

**Publications**

Author of 75 publications and 6 conference proceedings. The full list can be found at <http://www.slac.stanford.edu/spires/find/hep/www?rawcmd=a+serone&FORMAT=WWW&SEQUENCE=>

**Seminars**

6 colloquia, 129 seminars in international conferences, Italian and foreign Universities.

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