

Short Bio (max. 1400 characters)

RENZO L. RICCA

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Renzo Ricca is a world expert on topological fluid dynamics and knotted fields. After graduating from Politecnico di Torino, Ricca entered Trinity College Cambridge to read Mathematics. In 1991 he was awarded the *J.T. Knight Prize* in Mathematics while preparing his doctorate under the supervision of Professor H.K. Moffatt and received his PhD from Cambridge University. He lectured at University College London before returning to Italy in 2004 as Professor of Mathematical Physics at the University of Milano-Bicocca. During 2016-2025 he has been Distinguished Guest Professor of Beijing University of Technology, from 2023 Affiliate Member of the World Premier Institute-SKCM² of Hiroshima University, and from 2026 Associate Member of the Higgs Centre for Theoretical Physics of Edinburgh University.

He visited several prestigious institutions and directed some long-term research programs, such as *Geometry and Topology of Fluid Flows* at the Newton Institute (2000), *Knots and Applications* at the De Giorgi Mathematics Research Centre of the Scuola Normale in Pisa (2011), and *Knotted Fields* at Beijing University of Technology (2019).

He contributed with several invited and plenary lectures at several prestigious international conferences and summer schools worldwide; he edited 5 books and wrote about 100 research papers on fundamental aspects of topological fluid dynamics.