Tudor S. Ratiu
Department of Mathematics
Fuyao University of Science and Technology
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Education

1980, Ph.D., University of California, Berkeley, USA
1974, M.A., University of Timişoara, Romania
1973, B.Sc., University of Timişoara, Romania

Employment

2026-present: Chair Professor of Mathematics, Fuyao University of Science and Technology, Fuzhou, Fujian Province, China
2016-2025: Chair Professor of Mathematics, Shanghai Jiao Tong University, Shanghai, China
2015-present: Emeritus Prof. of Mathematics, Ecole Polytechnique Fédérale de Lausanne, Switzerland
2014-2015: Deputy Director, Center of Mathematical Sciences, Skolkovo Institute of Science and Technology, Skolkovo, Moscow Region, Russia
2014-2015: Professor of Mathematics, Skolkovo Institute of Science and Technology, Skolkovo, Moscow Region, Russia
2002-2014: Director, Bernoulli Center, Ecole Polytechnique Fédérale de Lausanne, Switzerland
1998-2015: Chair of Geometric Analysis, Ecole Polytechnique Fédérale de Lausanne, Switzerland
2001-present: Emeritus Professor of Mathematics, University of California, Santa Cruz, USA
1988-2001: Professor of Mathematics, University of California, Santa Cruz, USA
1987-1988: Associate Professor of Mathematics, University of California, Santa Cruz, USA
1983-1988: Associate Professor of Mathematics, University of Arizona, Tucson, USA
1980-1983: T.H. Hildebrandt Research Assistant Professor, University of Michigan, Ann Arbor, USA
1976-1980: Teaching Associate, University of California, Berkeley, USA
1974-1975: Programmer, Central Institute of Management, Bucharest, Romania

Visiting Positions

Spring 2026-present: three months each year visiting professor, Nanyang Technological University, Singapore
Winter 2017-2020: Visiting Professor, Université de Genève, Switzerland
Summer 2017, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom
Fall 2015, Pontifícia Universidade Católica and Instituto Nacional de Matemática Pura e Aplicada, Rio de Janeiro, Brazil
Winter 2015, Erwin Schrödinger Institute for Mathematical Physics, Vienna, Austria
Summer 2014, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom
Winter 2013, Lomonosov Moscow State University, Moscow, Russia
Winter, Summer 2014, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom
Summer 2012, Lomonosov Moscow State University, Moscow, Russia
Summer 2012, Fields Institute for Mathematical Sciences, Toronto, Canada
Spring 2011, Institut de Hautes Études Scientifiques, Bures-sur-Yvette, France
Spring 2011, Institute for Advanced Study, Princeton, USA
Winter 2011, Applied and Computational Mathematics, Caltech, Pasadena, California, USA
Fall 2010, Consejo Superior de Investigaciones Científicas, Madrid, Spain
Spring 2010, Mathematical Sciences Research Institute, Berkeley, USA
Fall 2009, Mathematical Sciences Research Institute, Berkeley, USA
Summer 2009, Universidad Nacional del Sur, Bahia Blanca, Argentina
Fall 2007, Université de Paris Sud, Orsay, France

Fall 2005, University of Padova, Italy
Spring 2005, University of Haifa, Israel
Summer 2005, Abdus Salam ICTP Trieste, Italy
Summer 2003, CNRS researcher at the Institut Non Linéaire de Nice, Nice, France
Summer 2003, Erwin Schrödinger Institute for Mathematical Physics, Vienna, Austria,
as organizer of the program *Geometry of the Moment Map*
Spring 2002, Université de Paris VI, Paris, France
Summer 2002, Mathematisches Institut, Technische Universität München, Germany
Summer 2001, Mathematisches Institut, Technische Universität München, Germany
Summer 1999, Mathematisches Institut, Technische Universität München, Germany
Summer 1997, Keio University, Yokohama and RIMS, Kyoto, Japan; University of Padova, Italy
Summer 1996, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom
Spring 1996, Universidad Nacional del Sur, Bahia Blanca, Argentina
1994-95, Institut des Hautes Études Scientifiques, Bures-sur-Yvette, France
Spring 1995, Weizmann Institute, Rehovot, Israel
Summer 94, Erwin Schrödinger Institute for Mathematical Physics, Vienna, Austria
Winter 94, Mathematical Sciences Research Institute and Department of Mathematics,
UC Berkeley, USA, as a Miller Research Professor
Summer 93, Erwin Schrödinger Institute for Mathematical Physics, Vienna, Austria
Winter 93, Fields Institute for Research in Mathematical Sciences, Waterloo, Canada
Spring 92, Université de Paris VI, Paris, France
Summer 90, Max Planck Institute for Mathematics, Bonn, Germany
Spring 90, Université des Sciences et Techniques du Languedoc, Montpellier, France
Fall 89, Mathematical Sciences Institute, Cornell University, Ithaca, New York, USA
1988-89, Mathematical Sciences Research Institute, Berkeley, California, USA
1984-87, Eight months of each year at the University of California, Berkeley, as a visiting scholar
1983-84, Mathematical Sciences Research Institute, Berkeley, California, USA
Summer 84, Max Planck Institute for Mathematics, Bonn, Germany
Fall 83, Center for Nonlinear Studies, Los Alamos National Laboratory, USA

Awards and Honors

2020, Chinese Government's Friendship Award
2020, Shanghai Jiao Tong University President's Award
2019, elected Member *Academia Europaea*
2018, "Magnolia Award" of the City of Shanghai
2017, 1000 Talent Prize of the Shanghai City Government
2016, International prize "Tullio Levi-Civita for the Mathematical and Mechanical Sciences", International Research Center on Mathematics and Mechanics of Complex Systems, Università degli Studi dell'Aquila and Università di Roma, Italy.
2015, Award of Excellence in Sciences from the American-Romanian Academy of Arts and Sciences
2012, AMS Fellow (inaugural year)
2011, Winner of the Russian Megagrant for three years
2010, Honorary Adjunct Professor, Graduate School of Information Technology and Mathematical Sciences, University of Ballarat, Mount Helen, Victoria, Australia
2009, Award of the Romanian Academy for excellence in research and collaboration with Romania
2005, Honorary member: "Simion Stoilow" Mathematics Insitute, Romanian Academy, Bucharest
2003, Awarded the medal *Star of Romania, commander rank*
2002, Plenary speaker at the annual meeting of the Swiss Mathematical Society, Davos
2001, Plenary speaker at the joint Austrian-German annual Mathematical Society Meeting, Vienna
2000, Ferran Sunyer i Balaguer Prize winner, Institut d'Estudis Catalans, Barcelona
1998, Plenary invited lecturer at the annual AMS meeting in Baltimore, MD
1997, Humboldt Senior Professorship Prize
1996, Phillips Lecturer, Haverford College

1995, Plenary invited lecturer at the annual SMM meeting in Colima, Mexico
1994-95, Fulbright and IHES Fellow, Bures-sur-Yvette, France
Winter 1994, Miller Research Professor at UC Berkeley
1984-87, A. P. Sloan Foundation Fellow
1983-86, N.S.F. Postdoctoral Fellow
Winter 1978, Brandeis University Graduate Fellowship
1972-74, Romanian National Merit Student Fellowship

Bibliometric Data

MathSciNet: 6,532 citations by 3,963 authors
Google Scholar citations: All: h-index 61, i10-index 192, 25,960 citations; since 2021: h-index 26, i10-index 77, 5,423 citations (from https://scholar.google.com/citations?user=Kj7k_9MAAAAJ&hl=en)

Grants

- China NSF grants, 2018-22, 2022-26
- Shanghai Jiao Tong University research grant, 2016-19
- Agence Nationale de la Recherche, France, *Unfold Mechanics Network*, 2016-17.
- CAPES Brazilian grant, *Ciência sem fronteiras*, 2015.
- Megagrant of the Russian Federation, 2011-2013.
- Fonds national de recherche suisse, member of the team of the twelve year NCCR SwissMAP grant, 2014–2026.
- Fonds national de recherche suisse, Bernoulli Center grants: 2002-15 (one annual and six biennial grants).
- Fonds national de recherche suisse, personal research grants: 1998-00, 2000-02 (two grants), 2002-04, 2003-05, 2005-07 (two grants), 2007-09, 2008-10, 2009-11, 2010-12, 2012-15.
- Swiss SCOPES grants: 2001-04, 2005-08.
- Swiss SCIEX grant: 2011-12.
- Sixth Framework EU Marie Curie RTN Grant *European Network in Geometry, Mathematical Physics, and Applications*, ENIGMA, 2004-2007, as member of the Swiss node
- Fifth Framework EU Marie Curie RTN Grant *Mechanics and Symmetry in Europe*, MASIE, 2000-04, as node coordinator
- NSF/USA: 1981-83, 1983-87 (NSF postdoc), 1987-90, 1990-92, 1992-95, 1995-98, 1998-01
- DOE/USA: 1992-95, 1995-99
- ONR/USA: 1992-95
- ARO-URI/USA: 1987-88
- AFOSR-DARPA/USA: 1987-89

Publications

245 papers, 6 books