

# Ivan G Avramidi

**Professor of Mathematics**

**Adjunct Professor of Physics**

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## Academic Degrees

- Senior Research Scientist in Theoretical and Mathematical Physics, Rostov State University, (1993)
- PhD in Physical and Mathematical Sciences, Moscow State University, (1987)
- MSc in Physics, (Summa Cum Laude), Rostov State University, (1979)

## Awards, Fellowships and Honors

- Alexander von Humboldt Research Fellowship, (1993–1996), Germany
- Soros Humanitarian Foundations Grant, (1993), American Physical Society
- International Science Foundation's Emergency Grant, (1993)
- DAAD (German Academic Exchange Service) Research Fellowship, (1989-1990), Germany

## Memberships

- American Mathematical Society,
- American Physical Society,
- International Association of Mathematical Physics

## Academic Career

- New Mexico Institute of Mining and Technology, (Socorro, New Mexico, USA), Professor (2005– ), Associate Professor (1999-2005)
- University of Iowa, (Iowa City, Iowa, USA), Visiting Assistant Professor (1997-1999)
- University of Greifswald, (Greifswald, Germany), Research Scientist (1996-1998), Alexander von Humboldt Research Fellow (1993-1996)
- Istituto Nazionale di Fisica Nucleare (INFN), and University of Naples "Federico II", (Naples, Italy), Visiting Professor (1995)
- Max-Planck Institute for Physics and Astrophysics, Werner-Heisenberg-Institute for Physics, (Munich, Germany), Visiting Scientist (1990)
- University of Karlsruhe, (Karlsruhe, Germany), Visiting Professor and DAAD Fellow (1989-1990)
- Rostov State University, (Rostov-on-Don, Russia), Senior Research Scientist (1990-1995), Research Scientist (1987-1990) and (1979-1983)

**Research Interests**

- Geometric Analysis, Differential Geometry, and Spectral Theory
- Mathematical Physics and Integrable Systems
- Quantum Field Theory, Gauge Theories and Quantum Gravity

**Publications**

- More than 60 publications: one book in Springer-Verlag, 45 papers in refereed journals, preprints, reports, conference abstracts

**Research Recognition**

- Total number of citations in SLAC-SPIRES (Stanford Public Information REtrieval System of the Stanford Linear Accelerator Center) (April 2006): 668
- Total number of citations in SearchPlus (Science Citation Index) at Los Alamos National Laboratory (February 2005): 613
- Topcited papers:
  - Nuclear Physics B 355 (1991) 712-754 (102 citations)
  - Physics Letters B 159 (1985) 269-274 (79 citations)

**Presentations**

- Participated in 45 conferences in USA, Canada, Germany, Italy, Greece, France, UK, Portugal, China, Brazil, Spain
- Organizer of a special session at the Western Section Meeting of American Mathematical Society
- Invited Keynote Plenary Speaker at 7 conferences
- Invited Speaker at 17 colloquiums in USA, Italy, Canada, Germany, UK, Greece, Russia,

**Professional Activities**

- Referee and reviewer for 14 professional journals
- Reviewer of books and book proposals for publishing companies
- Reviewer of grant proposals for National Science Foundation, Division of Mathematical Sciences and Division of Physics and U.S. Civilian Research & Development Foundation

**Teaching**

- Taught a variety of courses in mathematics at the undergraduate and graduate levels at New Mexico Tech, University of Iowa, University of Naples and Greifswald University.
- Supervised four graduate students in mathematical physics.