

Resume

Name: G. S. VAITHEESWARAN

Nationality: Indian

Official Address: Advanced Centre of Research in High Energy Materials (ACRHEM),
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Educational Qualifications:

1. B. Sc, Physics (1992-1995), University of Madras.
2. M. Sc, Physics (1995-1997), Annamalai University.
3. Ph. D, Physics, Anna University
(Submitted Ph. D Thesis on December 2002 and defended on 8th Jan 2004)

Post doctoral Experience:

1. Guest Scientist in Max-Planck Institute (MPI) for Solid State Research, Stuttgart
Professor O. K. Andersen's group
From March 2003 to July 2005
(I joined as post-doc in MPI-Stuttgart even before Ph. D defense and spent nearly 10 months as a post doc before defense)
2. Researcher, Department of Materials Science and Engineering,
Royal Institute of Technology (KTH), Stockholm,
Professor Börje Johansson's Group
From August 2005 - 2007

Visiting Positions:

- Visiting Scientist, ACRHEM, University of Hyderabad from September 2007 – August 2009.

Present Designation:

- Assistant Professor, ACRHEM, University of Hyderabad from August 2009 onwards.

SEMINARS DELIVERED AT OTHER INSTITUTES UPON INVITATION

1. Invited talk presented at the Institute for Materials Science, Darmstadt University of Technology, Darmstadt, Germany on the topic **“First- principles study of electronic structure and magnetic properties of double perovskites”** during June 2005.
2. Seminar delivered on the topic **“Electronic structure and magnetic properties of Transition metal oxides”** at the Walther-Meissner-Institute, Garching, Germany, during April 2005.
3. Seminar delivered on the topic **“Orbital magnetism in double perovskites”** at the Walther-Meissner-Institute, Garching, Germany during June 2006.
4. Seminar delivered on the topic **“High-pressure structural studies on binary rare- earth antimonides”** at the Denmark Technical University, Copenhagen, during August 2006.

ACADEMIC HONOURS/DISTINCTIONS/AWARDS:

1. Received **KAWZOE AWARD** for best paper Presentation in “First conference on Asian Consortium on computational Material Science” held during November 29th – 1st December 2001 in Indian Institute of Science, Bangalore, India.
2. Received **KAWZOE AWARD** for best paper Presentation in “Third conference on Asian Consortium on computational Material Science” held during September 8th – 11th 2005 at Chinese Academy of Sciences, Beijing, China.
3. Inclusion in **Marquis Who’s Who for Science and Engineering** during 2006-2007.
4. Selected as outstanding scientist of 21st Century by the International Biographical Centre during 2007.

ACADEMIC VISITS TO OTHER INSTITUTES/UNIVERSITIES:

1. Visited Department of Materials Science and Engineering, Royal Institute of Technology, Stockholm, Sweden, during June 2004 and April 2005 for collaborative project on double Perovskite.
2. Visited Institute of Physics and Chemistry of Materials, University of Strassbourg, (CNRS) France, during December 2003, for working on the optical properties of CrO₂
3. Visited Department of Physics, University of Aarhus, Aarhus, Denmark, during November 2003, August 2006 and July 2007 for a combined project on ‘f’ electrons and double perovskites.
4. Visited Department of Physics, University of Aarhus, Aarhus, Denmark, during August 2002, for a part of my Ph.D work (SIC-LSD studies on Pr pnictides and Chalcogenides).

WORKSHOPS ATTENDED

1. Attended “**The physics of ‘*f*’ electrons**” held during November 2003 at University of Aarhus, Denmark.
2. Attended “**Ab-INITIO Many Body Theory for Correlated electron Systems**” workshop during August 2003 at Abdus Salam International Center for Theoretical Physics, Trieste, Italy.
3. Attended “**Workshop on Correlation Effect in Electronic Structure Calculations**” during June 2002 at Abdus Salam International Center for Theoretical Physics, Trieste, Italy.
4. Attended “**Spring College on Numerical Methods in Electronic Structure Calculations**” during May 2001 at Abdus Salam International Center for Theoretical Physics, Trieste, Italy.

CURRENT COLLABORATORS:

1. **Prof. Axel Svane** (University of Aarhus, Denmark)
2. **Prof. M.Alouani** (CNRS, Strassbourg, France)
3. **Prof. Lambert Alff** (Technical University of Darmstadt, Germany)
4. **Prof. Leif Gerward** (Denmark Technical University, Denmark)
5. **Prof. J. Staun Olsen** (Neils Bohr Institute, Copenhagen, Denmark)
6. **Prof. S. Heathman** (Institute for TransUranium Elements, Germany)
7. **Dr. Anna Delin** (KTH, Stockholm)
8. **Dr. Ravhi S. Kumar** (University of Las Vegas, U.S.A)
9. **Prof. T. Le Bihan** (ESRF, France)
10. **Prof. M. F. Nicol** (University of Los. Vegas, U.S.A)
11. **Dr. V. Kanchana** (KTH, Stockholm)