

S. GOWTHAM

Department of Physics
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931 - 1295, USA
Phone : (906) 487 – 2086
Email : sgowtham@mtu.edu

1807 Woodmar Drive
Apt C
Houghton, MI 49931 – 1118, USA.
Phone : (906) 370 - 5782

Education

- Presently, Graduate Student in Department of Physics, MTU
- **Master of Science (Physics)** **June 2002**
Area of Specialization : Nuclear Physics
Department of Physics, Jnanabharathi Campus, Bangalore University, India
GPA : 86.80% (Given in percentage, non-convertible)
- **National Eligibility Test** **December 2001**
Junior Research Fellowship and Eligibility for Lectureship
University Grants Commission and Council of Scientific & Industrial Research, India
- **Bachelor of Science (Physics, Mathematics & Statistics)** **April 2000**
MES College of Arts, Commerce & Science, Bangalore University, India
GPA : 76.23% (Given in percentage, non-convertible)

Research / Work Experience

- **Michigan Technological University**, Houghton
 - Graduate Research Assistant (05/2003 - to date)
 - Graduate Teaching Assistant (08/2002 - 04/2003 and Spring 2004)
Supervised and instructed students in University Physics I (Mechanics) laboratory and recitation. Emphasized learning appropriate lab techniques, documentation, problem-solving skills and graded their performances.
- **Advaita**, Bangalore (08/2001 - 04/2002)

Taught Mechanics, Optics and Modern Physics to Pre-University students. Wrote and graded their homework & examinations.

Publication

- Structure, Energetics, Electronic, and Hydration Properties of Neutral and Anionic Al_3O_6 , Al_3O_7 and Al_3O_8 Clusters
S. Gowtham, K. C. Lau, M. D. Deshpande, R. Pandey, A. K. Gianotto and G. S. Groenewold
Manuscript accepted for publication in *J. Phys. Chem. A*

Presentations

- **Sigma-Xi Multidisciplinary Research Colloquium**
April 2004, Houghton, Michigan
Neutral and Anionic Al_3O_n ($n = 6 - 8$) Clusters – A Theoretical Study
S. Gowtham, K. C. Lau, M. D. Deshpande, R. Pandey, A. K. Gionotto and G. S. Groenewold.
- **Federation of Analytical Chemistry Spectroscopy Societies Annual Meeting**
October 2003, Ft. Lauderdale, Florida
Formation and Hydration of Aluminum Oxide Cluster Ions in a Quadrupole IT-SIMS
A. K. Gianotto, J. W. Rawlinson, A. D. Appelhans, S. Gowtham, K. C. Lau, R. Pandey, P. B. Harrington and G. S. Groenewold

Workshops

- **Electronic, Atomistic & Mesoscale Simulation Methods for Nanoscience Applications**, August 2003
The Nanomaterials Theory Institute of the Center for Nanophase Materials Sciences, Oak Ridge National Laboratory, Oak Ridge, TN.
- **Gaussian03 and GaussView Workshop**, June 2003
Gaussian Inc. in association with Hewlett Packard, Marlborough, MA

Affiliations

- American Physical Society (APS)
- American Chapter of Indian Physics Association (ACIPA)
- Bangalore Association for Science Education (BASE)