

Sivaram Ambikasaran

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www.stanford.edu/people/sivaambi

- Education**
- Master of Science, Computational and Mathematical Engineering,**
Stanford University
September 2007-Present
- Courses:** Theory of Probability, Numerical Linear Algebra, PDE, Real Analysis, Probability and Statistics, Stochastic Processes I & II, Mathematical Finance, Numerical Optimization, Discrete Mathematics.
- Bachelor and Master of Technology,**
Indian Institute of Technology Madras
July 2002- July 2007
Major: Aerospace Engineering
Minor: Industrial Engineering
Ranked 1st in a class of 40 students
Project: Computationally solving for High Speed Reacting Flows past various slender shaped bodies
- Academic Interests**
- Probability Theory and Stochastic Processes, Applied & Computational Mathematics, Optimization, Number theory, Mathematical Modeling, Fluid Mechanics
- Publications**
- UISSM for flexural analysis of rectangular plates with any edge conditions - Journal of Composite Structures (www.stanford.edu/people/sivaambi/firstpaper.pdf)
- Work Experience**
- Intern at G.E John F.Welch Technology Centre, Bangalore (Summer 2006)
 - Intern at National Aerospace Laboratory, Bangalore (Summer 2005)
- Teaching Experience**
- Head Teaching Assistant for CME - 100 (Vector Calculus for Engineers) (Autumn 2008) at Stanford
 - Head Teaching Assistant for CME - 106 (Intro to Prob and Stats for Engineers) (Summer 2008) at Stanford
 - Teaching Assistant for Aerodynamics(Jan-May 2006) and Aircraft Design(July-Dec 2006) at IIT Madras
- Leadership skills**
- Vice President of Hindu Students Council at Stanford - The activities include organizing of various events, lectures, budget proposals, filling work orders, publicizing all events
 - Organizer of Aerospace Technologists Meet at IIT Madras - The Meet was to bring together the Project leaders, Engineers and Scientists from various R & D organizations and the Academia
 - Organized various events and trips to villages to help people in the rural areas of India as part of I Vil - IIT for Villages
 - Technical Manager of our design group, at General Electric Workshop
- Academic Distinctions**
- **Best Academic record** in Bachelors & Masters in Aerospace Engineering at IIT Madras
 - **Institute Medal** for highest CGPA in Aerospace Engineering for all years at IIT Madras
 - **Fellowship** from Stanford & Cornell University for pursuing Graduate studies
 - **GE Scholar-Leader** scholarship for academic achievement & leadership qualities
 - One among the 30 from all over India selected for **International Mathematics Olympiad Training Camp** held at HBCSE, Mumbai (May-June 2002)
 - First in Math Olympiad held by the Association of Mathematics Teachers of India
 - Awarded full scholarship from Nanyang Technological University to pursue undergraduate in engineering
 - Awarded scholarship from Chennai Mathematical Institute to pursue undergraduate education
 - National Talent Search Examination scholarship by the Central Board of Secondary Education, India
 - Top 0.1% in Mathematics, Computer Science, Physics & Chemistry in XII standard and top 0.1% in Mathematics & English in X standard