

MANISH RANJAN

E-mail: manishr@m.kth.se

Ph: +46 - (0) 73 686 61 46

ACADEMIC BACKGROUND

Master of Science (Sustainable Energy Engineering)

KTH Stockholm, SWEDEN (Aug. 2004 – till date)

Available results:	Renewable Energy Technology	5 out of 5
	Sustainable Energy Utilization	5 out of 5
	Sustainable Power Generation	5 out of 5
	Comput. Methods in energy	5 out of 5
	Thermal Comf. & Indoor Climate	4 out of 5

Bachelor of Technology

National Institute of Technology, Warangal, INDIA (1999-2003)

- Score 73.76%, First Class with distinction
- Major Mechanical Engineering

Standardised test score GATE: 99.49Percentile

GATE(Graduate Aptitude Test in Engineering) A test by Ministry of Human Resource Development, Govt. of INDIA

SCHOLARSHIP/FELLOWSHIP AWARDED

- STINT, The Swedish Foundation for Int. Cooperation in Research and Higher Education
- Swayam Vidya Fellowship during undergraduate study at NIT Warangal, INDIA

DOCUMENTATIONS (RESEARCH / PROJECT REPORT)

Refereed International Journals

- K. S. Reddy and **Manish Ranjan**. "Solar Resource Assessment using Artificial Neural Networks and Comparison with other Correlation Models". *Energy Conversion and Management*. 44 (2003), pp: 2519-2530.

International Conferences

- K. Srinivas Reddy and **Manish Ranjan**. "Estimation of Solar Resources using Artificial Neural Networks and Comparison with other Methods". *Proc. Of Int. Conf. on Recent Advancements in Solar Energy Conversion Systems*, Sept. 28-29, 2002, India. pp: 335-342.
- K. S. Reddy, N. D. Kaushika and **Manish Ranjan**. "Solar TIM Insulated ICS Water Heating System: A New and Indigenous Design". *Proc.Of the 26th National Renewable Energy Convention of Solar Energy Society of India and International Conference on New Millennium-Alternative Energy Solutions for Sustainable Development*, Jan. 17-19, 2003. India. pp: 15-21

Project Report

- INVESTIGATION OF NATURAL DEFROST OF FREEZER EVAPORATOR
- DESIGN DEVELOPMENT AND PERFORMANCE EVALUATION OF CAVITY RECEIVER FOR FUZZY-FOCAL DISH CONCENTRATOR

SEMINAR AND CONFERENCE ATTENDED

- 89th Indian Science Congress-2002, January 3-7, 2002. University of Lucknow, India
- International Conference on Recent Advancements in Solar Energy Conversion Systems, Sept. 28-29, 2002. Bhopal, India

AWARDS AND DISTINCTIONS

- First prize in mathematical modelling contest
Conducted by Dept. of Mathematics and Humanities, NIT Warangal
- 21st Rank in National Mathematics Talent Competitions 2000
Conducted by The Association of Mathematics Teachers of India (Partly sponsored by Board of Higher Mathematics)
- Second prize in "IMPULSE 2002", technical paper contest At IIT Roorkee
- Second prize in state level Science Exhibition
Organised by State Council of Education Research and Training, Bihar

ADDITIONAL TECHNICAL SKILLS

- Numerical and Analytical
- **Finite Element Methods (FEM)** - Familiar
- **Artificial Neural Networks (ANN)** - Experienced
- **Computational Fluid Dynamics (CFD)** - Experienced

Software Skills

- Programming Languages: C with data structure, Pascal, C++
- Software tools and packages: MATLAB, Simulink, EES, StarCD
- Operating Systems: LINUX, UNIX, Windows
- Assembly language programming for 8085 Microprocessor

EXTRA CURRICULAR

- Served as Editor, Mcs Press (Annual Magazine) of Mechanical Engineering Department, NIT Warangal, India.
- Presided as judge in student level Technical Paper Presentation, organised by Mechanical Engineering Association, NIT Warangal, India.
- Organized "Technomatrix-2001", a national level Technical Symposium, in capacity of Joint Secretary at NIT Warangal, India
- Held various responsible posts in Student Body in School.

PERSONAL INFORMATION

Date of Birth: April 16th, 1978
Sex: Male
Nationality: Indian
Address: C/o Mrs. Susy Mathew
Dept. of Energy Technology
Brinellvägen 66, Royal Institute of Technology (KTH)
Stockholm SWEDEN

- Reference available on request