

**Job Application for:**

Dr. G. Sridhar Reddy

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**CAREER OBJECTIVE**

- Capable, driven, and highly educated professional seeking a stimulating and growth oriented environment to maximize skills in research, administration and/or management.
- Being a part of top level management, to achieve long term objectives of high ranked educational/research institute in engineering and technical education.

**CURRENT POSITION**

Professor, ACE Engineering College, Hyderabad, India.

**EDUCATION**

PostDoc (2012), Curtin University, Australia.

Ph. D. (2009) and M. Tech. (2003), in Electrical Engineering, from Motilal Nehru National Institute of Technology (M. N. N. I. T.), Allahabad, India.

A. M. I. E. (2000), in Electrical Engineering, from I. E. (India).

**AREAS OF INTEREST**

Control Systems, Electrical Machines, Power System Control, Neural Networks and Fuzzy Logic, Power Electronics, FACTS.

**SUBJECTS TAUGHT**

Control Systems, Electrical Machines, Power System Control, Neural Networks and Fuzzy Logic, Power Electronics, FACTS, Linear and Digital IC Applications, Switch Gear and Protection, HVDC Transmission.

**LABS HANDLED**

Electrical Measurements, Electrical Technology, Network Technology, Simulation Lab, Power Electronics.

**PUBLICATIONS**

- S. Nagalatha, and G. Sridhar Reddy, “Power Electronic Based Interface System for Distributed Generation Applications”, 1<sup>st</sup> National Conference on Power Electronics Systems and Applications, NIT Rourkela, March, 2013.
- G. Sridhar Reddy, “Distributed Generation based AC-DC-DC Converter”, 5<sup>th</sup> IEEE Power India Conference, Sonapat, December, 2012.
- P. Wolfs, and G. Sridhar Reddy, “A Receding Predictive Horizon Approach to the Periodic Optimization of Community Battery Energy Storage Systems”, 22<sup>nd</sup> Australasian Universities Power Engineering Conference (AUPEC), Bali, Indonesia, September, 2012.
- G. Sridhar Reddy, “Feasibility Analysis of DGSC-UPQC”, *International Journal of Research and Review in Applied Sciences*, Volume 4, Issue 1, July, 2010.
- G. Sridhar Reddy, “An On-line Neural Controller for Distributed Generator based Static Compensator”, *Symposium on Renewable Energy Technologies*, Fiji Islands, Oct. 2010.
- G. Sridhar Reddy and R. K. Singh, “Restoration of Load Voltage by Distributed Generation”, *International Conference on Power Systems 2009*, IIT Kharagpur, 27-29 Dec. 2009.
- G. Sridhar Reddy and R. K. Singh, “Steady State Impacts of Static Compensators in a Micro grid with Distributed Generation”, *International Conference on Power Systems (organized by IEEE and CPRI)*, Bangalore, Dec. 2007.

- **G. Sridhar Reddy** and R. K. Singh, “**Modeling and Control of Distributed Generation System**”, *IET-UK International Conference on Information and Communication Technology in Electrical Sciences*, Chennai, Dec. 2007.
- **G. Sridhar Reddy** and R. K. Singh, “**Distributed Generation based Dynamic Voltage Restorer**”, *IET-UK International Conference on Information and Communication Technology in Electrical Sciences*, Chennai, Dec. 2007.
- **G. Sridhar Reddy** and R. K. Singh, “**An Improved On-line Neural Network Controller for Multi-variable Control of UPFC**”, *IEEE Power India Conference*, New Delhi, April, 2006.
- **G. Sridhar Reddy** and R. K. Singh, “**A Neural Network Controller for ASVC**”, *Energy and Environmental Systems*”, *WSEAS\* Conference*, Greece, May 2006.
- **G. Sridhar Reddy** and Rajesh Gupta, “**Neural Network based Unified Power Flow Controller**”, *13<sup>th</sup> National Power Systems Conference*, IIT-Madras, Chennai, Dec. 2004.

#### CITATIONS in IEEE

- **G. Sridhar Reddy** and R. K. Singh, “**Distributed Generation based Dynamic Voltage Restorer\***”, *IET-UK International Conference on Information and Communication Technology in Electrical Sciences*, Chennai, Dec. 2007.

#### EXPERIENCE in Years: 12 (Teaching-5.5, Research-4.5, Industry-2)

- 12/2012-till date, Professor, ACE Engineering College, Hyderabad, India.  
\* Teaching and Research
- 07/2011-12/2012 (1.5 years), Professor, St. Martins Engineering College, Secunderabad, India.  
\* Teaching and Research
- 01/2012-07/2012(0.5 years), Post Doctoral Research Fellow, Electrical and Computer Engineering Department, Curtin University, Perth, Australia.  
\* Research
- 05/2010-07/2011(1.2 years), Associate Professor, Fiji National University, Fiji.  
\* Teaching and Research
- 07/2008-04/2010 (1.10 years), Associate Professor, Bhoj Reddy Engg. College, Hyderabad, India.  
\* Teaching and Research
- 07/2004-07/2008 (4.0 years), Full time Ph. D. research scholar, Motilal Nehru National Institute of Technology, Allahabad, India.  
\* Research
- 05/2003-06/2004 (1.1 year), Assistant Professor, Bhoj Reddy Engg. College, Hyderabad, India.  
\* Teaching
- 1995-2001(2 years), Electrical Engineer, Dynotech Electricals, Mahabubnagar, Andhra Pradesh.  
\* Designing and Testing of Distribution Transformers

#### SIMULATION SOFTWARES

Matlab, PSCAD, PSPICE, ETAP, PSIM, Lab-View, Multisim.

#### AWARDS/GRANTS RECEIVED

Australia Endeavour Award 2012, from Department of Education, Employment, and Workplace Relations (DEEWR), Australia.

Institute Fellowship, from Ministry of Human Resources and Development (India) and Motilal Nehru National Institute of Technology, Allahabad, India.

WORKSHOPS ATTENDED

1. MATLAB-Range of Softwares, 21<sup>st</sup> January 2008, MNNIT, Allahabad.
2. Circuit Simulation Using SPICE and VHDL, 8<sup>th</sup> -10<sup>th</sup> April 2006, MNNIT, Allahabad.
3. Energy Management, 27<sup>th</sup> -31<sup>th</sup> March 2006, MNNIT, Allahabad.
4. MATLAB/SIMULINK, 3<sup>rd</sup> -7<sup>th</sup> August, 2005, DIT, Dehradun.
5. Power Electronics Lab Practices, 28<sup>th</sup> March-2<sup>nd</sup> April 2005, MNNIT, Allahabad.

REFERENCES

R. K. Singh, Professor, EED,MNNIT, e-mail:rksingh@mnnit.ac.in	R. D. Gupta, Professor, CEDMNNIT, Allahabad
Rajesh Gupta, Asst. Professor, EED,MNNIT e-mail:rajeshgupta@mnnit.ac.in	A. K. Singh, Asst. Professor, EED,MNNIT, e-mail: asheesh@mnnit.ac.in

PERSONAL PROFILE

Date of Birth: 15 March 1974

Languages Known: Telugu, Hindi, and English

Father Name: Shri G. Rami Reddy (EAD, CWC, New Delhi) Mother Name: Smt. G. Krishnamma (House-Wife)

JOB EXPECTATIONS

Position:.

Pay:

Hyderabad, India  
March 2013

(Dr. G. SRIDHAR REDDY)