

CALL FOR BOOK CHAPTERS

IEEE PES Intelligent Control Systems Working Group and IEEE CIS Power System Applications Task Force are inviting potential authors to submit their original contribution(s) for the edited book titled:

“INTELLIGENT TECHNIQUES FOR POWER SYSTEM GENERATION”

Email your abstract(s), not exceeding 750 words, to Dr. G. K. Venayagamoorthy - gkumar@ieee.org.

| | |
|-------------------------------------|-------------------|
| Abstracts Due: | September 1, 2007 |
| Invitation to Authors for Chapters: | October 1, 2007 |
| Chapters Due: | December 1, 2007 |
| Comments to Authors: | March 1, 2008 |
| Final Manuscript Due: | April 15, 2008 |
| Intended Publication Date: | July 1, 2008 |

The edited book will have the state of art applications of computational intelligence techniques including adaptive critic designs, artificial immune systems, evolutionary computation, fuzzy systems, neural networks, reinforcement learning and swarm intelligence for:

- Control of generators – excitation, automatic voltage regulators
- Control of power plants
- Design and tuning of power system stabilizers
- Load Forecasting
- Maintenance of generation systems
- Modeling and control of fuel cells, photovoltaic systems and windfarms
- Wide area monitoring and control of generation systems.

The editors are:

- Dr. G. Kumar Venayagamoorthy, *Senior Member*, IEEE
Associate Professor of Electrical and Computer Engineering &
Director of the Real-Time Power and Intelligent Systems Laboratory
University of Missouri-Rolla, MO 65409, USA
Tel. +1 573 341 6641
Email: gkumar@ieee.org
<http://www.ece.umar.edu/RTPIS>
<http://www.umar.edu/~ganeshv>
- Dr. Ronald G Harley, *Fellow*, IEEE
Duke Power Distinguished Professor
School of Electrical and Computer Engineering
Georgia Institute of Technology, GA 30332-0250, USA
Tel. + 1404 894 1876
Email: ron.harley@ece.gatech.edu
<http://users.ece.gatech.edu/~rharley/>
- Dr. Om P Malik, *Life Fellow*, IEEE
University of Calgary
Calgary, Alberta, Canada
Email: maliko@ieee.org
<http://www.ieeecanadianfoundation.org/EN/bios/malik.htm>
- Dr. Kwang Lee, *Fellow*, IEEE
103 Electrical Engineering East
The Pennsylvania State University
University Park, PA 16802, USA
Email: kylece@engr.psu.edu
<http://www.ee.psu.edu/faculty/lee/lee1.html>