Publications for Swamidoss Sathiakumar

2015


2014


2013


2012


2011

2010
brushless dc motor based on 180-degree commutation. 2010
The 2nd International Conference on Computer and
Automation Engineering (ICCAE 2010), Danvers, MA USA:
(IEEE) Institute of Electrical and Electronics Engineers.

2009
commutation system of permanent magnet brushless DC motor
based on speed and current control. 2009 Second
International Conference on Intelligent Computation
Technology and Automation ICICTA 2009, China: (IEEE)
Institute of Electrical and Electronics Engineers. <a
href="http://dx.doi.org/10.1109/ICICTA.2009.180">[More
Information]</a>

and verification of two-level random aperiodic PWM schemes
for DC-DC converters. IEEE Transactions on Power
Electronics, 24(9), 2138-2147. <a
href="http://dx.doi.org/10.1109/TPEL.2009.2021762">[More
Information]</a>

drive of brushless DC motor with 180-degree commutation.
2009 Second ISECS International Colloquium on Computing,
Communication, Control and Management (CCCM 2009),
China: (IEEE) Institute of Electrical and Electronics Engineers.
<a
href="http://dx.doi.org/10.1109/CCCM.2009.5267812">[More
Information]</a>

2008
Reduce the Operating Temperature of high Power Light-
 Emitting Diodes. 2008 Australasian Universities Power
Engineering Conference (AUPEC 2008), Australia: University
of NSW (UNSW).

and Position Estimation of the Brushless DC Motor at Low
Speed. 2008 Australasian Universities Power Engineering
Conference (AUPEC 2008), Australia: University of NSW
(UNSW).

of 2-Level Random Aperiodic PWM Schemes for DC-DC
Converters. 39th IEEE Annual Power Electronics Specialists
Institute of Electrical and Electronics Engineers.

Personal Windmill to a Site-Wide DC BUS. Australian Journal
of Electrical and Electronics Engineering, 4(1), 37-45.

Teaching for Power Electronics and Drives. IEEE Transactions
on Education, 51(1), 108-113. <a
href="http://dx.doi.org/10.1109/TE.2007.906607">[More
Information]</a>

2007
converter with simple maximum power point tracking for
power electronics education on solar energy systems. 2007
Australasian Universities Power Engineering Conference
AUPEC07, Perth, Western Australia: Curtin University of
Technology.

2006
Control of Electrical Machines over Internet. International
Symposium on Industrial Electronics ISIE2006, USA: (IEEE)
Institute of Electrical and Electronics Engineers.

for a site wide DC Bus. International Symposium on Industrial
Electronics ISIE2006, USA: (IEEE) Institute of Electrical and
Electronics Engineers.

switching in randomized schemes for DC-DC power

2005
Multiagent Framework for Power System Management.
International Conference on Power Electronics and Intelligent
Control for Energy Conservation : PELINCEC 2005, Poland:
(IEEE) Institute of Electrical and Electronics Engineers.

Wind Turbine to a Site-Wide DC BUS. International
Conference on Power Electronics and Intelligent Control for
Energy Conservation : PELINCEC 2005, Poland: (IEEE)
Institute of Electrical and Electronics Engineers.

Switching in Randomized Schemes for DC-DC Power
Conversion. International Conference on Power Electronics
and Intelligent Control for Energy Conservation : PELINCEC
2005, Poland: (IEEE) Institute of Electrical and Electronics
Engineers.

2004
From A Small Wind Turbine Into A De Bus. Powercon 2004,
Piscataway, NJ: (IEEE) Institute of Electrical and Electronics
Engineers.

Switching Schemes For DC-De Power Conversion With
Reduced Average Switching Frequency. Powercon 2004,
Piscataway, NJ: (IEEE) Institute of Electrical and Electronics
Engineers.