



International Symposium on Power Electronics, Electrical Drives, Automation and Motion



UNIVERSITY of NAPOLI



UNIVERSITY of CASSINO

SPEEDAM 2008

ISCHIA - Italy
11-13 June, 2008



NAGASAKI UNIVERSITY



IEEE

With technical co-sponsorship of IEEE Industrial Electronics Society



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FIRST ANNOUNCEMENT AND CALL FOR PAPERS

Invitation

The Organising Committee is pleased to announce next SPEEDAM International Symposium on Power Electronics, Electrical Drives, Automation and Motion. It continues a long series started in earlier 70s, in a pioneeristic era for conferences in the field of Electrical Engineering. The Organising Committee is glad to invite you to SPEEDAM 2008 which will be held in ISCHIA - Italy- from 11 to 13 June 2008.

Symposium Objectives

Traditionally SPEEDAM Symposium is a place where experts of industrial and academic world can discuss together with users about recent developments and actual trends in the field of POWER ELECTRONICS, ELECTRICAL DRIVES, AUTOMATION, ELECTRICAL ENERGY MANAGEMENT AND POWER QUALITY. Within these areas, SPEEDAM 2008 has also the aim to identify the most relevant applications evidencing main problems and strategies.

Technical Topic Areas

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|---|---|---|
| <p>New Age of Electrical Drives</p> <ul style="list-style-type: none"> - Converter Topologies and Control - Power Electronics Applications - Electrical Drives Control - Power Electronic Devices - Design & Optimization of Electrical Machines - Finite Element Analysis - High Efficiency Drives - Multi-Motor Drive Systems - High Speed Drives - Surface Motors - Special Electric Machines - Position Sensing Devices - Identification Problems - Integrated Systems | <p>Electrical Traction</p> <ul style="list-style-type: none"> - Traction Systems - Traction Drives - Linear Motor Drives - Superconductivity Applications - Contactless Energy Transmission - Diagnostics, Reliability, Dependability - Communication Systems | <p>Fuel Cells and Energy Storage</p> <ul style="list-style-type: none"> - Applications of Fuel Cells - Supercapacitive Energy Storage - High Speed Flywheels |
| <p>Electrical Power Quality</p> <ul style="list-style-type: none"> - Active and Hybrid Filtering - Active Front-Ends - ElectroMagnetic Compatibility (EMC) and Interference (EMI) - Power Line Conditioners - Perturbation Effects - Distributed Generation Problems - Standards and Recommendations - Electricity Market Liberalisation | <p>Industrial Automation</p> <ul style="list-style-type: none"> - Field bus and Communication Systems - Mechatronic Systems - Sensing and Testing Techniques - Intelligent control and Signal Processing | <p>Road Electrical Vehicles</p> <ul style="list-style-type: none"> - Energy Storage - Hybrid Configurations - Drives for Road Vehicles |
| <p>Renewable Sources of Energy and Cogeneration</p> <ul style="list-style-type: none"> - Power Electronics for: Wind, Solar, Biomass, Photovoltaic, Energy; - Energy Saving - Energy and Environment - Cogeneration and Hybrid Systems | <p>Ship Propulsion and Marine Applications</p> | <p>Power Electronics and Drives in Aerospace Applications</p> |
| | | <p>Power Electronics for Home Applications and Lighting Systems</p> <ul style="list-style-type: none"> - Stand-by Power Consumption - Domestic Labour Saving Devices |
| | | <p>Teaching and Continuous Education</p> <ul style="list-style-type: none"> - Virtual Labs - E-Learning - Electrical & Electronics Engineering studies in the world |





Attaianes C. - University of Cassino - Italy
Arkkio A. - Tech. Univ. of Helsinki - Finland
Balestrino A. - University of Pisa - Italy
Bellini A. - Univ. Tor Vergata of Rome - Italy
Belmans R. - Kath. Univ. of Leuven - Belgium
Binder A. - T.U. Darmstadt - Germany
Bocchetti G. - Ansaldo Trasporti S.F. - Italy
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Braslavskij I. - Ural State T.U. - Russia
Bressani M. - Ansaldo Sistemi Ind. - Italy
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Capasso A. - Univ. La Sapienza of Rome - Italy
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Cеровsky Z. - Czech T.U. of Prague - Czech Rep.
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Di Napoli A. - University of Rome 3 - Italy
Ertan Bulent H. - M.E.T.U. of Ankara - Turkey
Franquelo L.G. - University of Sevilla - Spain
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Gol O. - University of South Australia - Australia
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Masada E. - University of Tokyo - Japan
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Villerman Lecollier G. - Univ. of Reims - France
Weh H. - T.U. Braunschweig - Germany
Weibull H. - University of Lund - Sweden
Yamada E. - University of Nagasaki - Japan

Contributions

The Organizing Committee invites you to participate in the Symposium by presenting a paper within the delineated framework. In addition to the main topics, papers on other important subjects of the central Symposium themes will be considered for the inclusion in the Scientific Programme.

Authors interested in submitting a paper are kindly requested to send a synopsis of two A4-pages at least. Files in .pdf or .doc format should be addressed by e-mail to the Symposium Secretariat before November 15th, 2007.

The synopsis should be clearly headed with the title of the paper, the reference topic and eventual further keywords. The content should outline the subject along with a brief summary of the substance of the presentation, the techniques employed, the latest results in the field at issue, possible links with earlier studies, the goals achieved and the original contribution given. Key formulas, figures, tables and reference list are well-accepted.

Furthermore, on a separate page authors should indicate their name, accreditation, address and the title of the paper, underlining the author to contact for correspondence. Authors will be informed by e-mail about the acceptance of their paper by January 31st, 2008. Selected authors will be requested to deliver their full length manuscript not later than April 15th, 2008.

Venue

SPEEDAM 2008 International Symposium will be held in Ischia, at the *Continental Terme Hotel*. Ischia is the largest and most populated island in the bay of Naples, which includes also Capri, Procida and Vivara.

Ischia was founded in 770 b.C. by Greeks with the name of *Pithecusae* (probably meaning "monkey's muzzle"). Later the ancient Romans discovered the extraordinary properties of the hot springs, really abundant on this island. Ischia has volcanic origins; in a Greek myth, the giant Tifeo was condemned by Zeus to live at the foot of the island, erupting flames and hot boiling water and causing earthquakes. In Ischia volcanism left its mark, influencing human settlements. Among the most important archaeological finds there are some fragments of ceramic, terra-cotta weights for fishing nets and some stone tools, made of flint and obsidian.

Now Ischia is one of the most renowned and visited touristic destinations in the Mediterranean Sea. With its volcanic hearth of fire, Ischia has Europe's largest concentration of thermal acquifers with a very large number of spa establishments and parks. They have made Ischia the world-famous "island of well-being", visited by millions of young and old people, and by many celebrities.

Ischia- *the green island*- is charming because it offers nature and culture, history and myth, within a framework of a breathtaking landscape and a picturesque architecture.

Information

Details on the Symposium programme, social events and hotel accommodation will be published in the 2nd announcement and will also be available on the website www.speedam.org. For all further information please contact the Symposium Secretariat.

Working Language

The working language of the conference is English, which will be used for all printed material, presentations and discussion.

Authors Deadlines

Interested authors should note the following deadline dates:

Submission of synopsis: November 15th, 2007

Notification of acceptance: January 31st, 2008

Submission of full-paper: April 15th, 2008

Conference Proceedings
will be published 
on IEEE Xplore

Organising Secretariat Office

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