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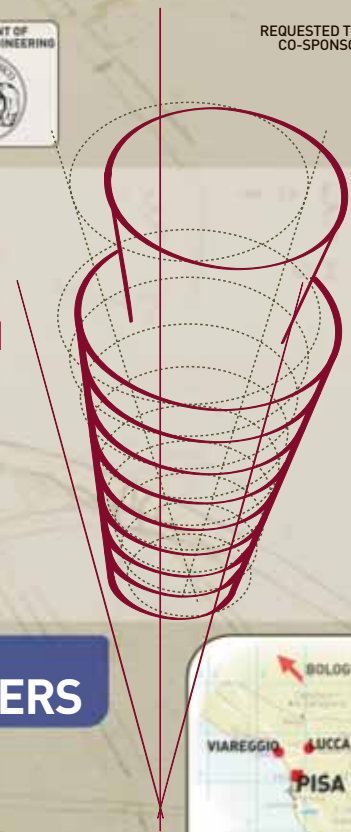
International Symposium  
on **POWER ELECTRONICS,  
ELECTRICAL DRIVES,  
AUTOMATION and MOTION**

**PISA, Italy**  
**SPEEDAM2010**

June 14-16, 2010

E-mail: [speedam@unina.it](mailto:speedam@unina.it)

Website: [www.speedam.org](http://www.speedam.org)



## FIRST ANNOUNCEMENT AND CALL FOR PAPERS

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### TECHNICAL TOPIC AREAS

#### T1 - Power Electronics

- Power Electronic Devices
- Silicon Carbide Technologies
- Converter Topologies and Control
- Renewable Energy Applications
- Aerospace Applications
- Home Applications
- Lighting Systems

#### T2 - Electrical Machines & Drives

- Design & Optimization of Electrical Machines
- Finite Element Analysis
- Special Electric Machines
- Electrical Drives Control
- Multi-Motor Drive Systems
- High Speed Drives
- Planar motors and drives
- High Efficiency Drives
- Home and Low Power Appliances
- Position Sensing Devices
- Identification Problems
- Integrated Systems
- High Performance Drives for Aerospace Applications

#### T3 - Electrical Power Quality

- Active and Hybrid Filtering
- Active Front-Ends
- ElectroMagnetic Compatibility (EMC) and Interference (EMI)
- Power Line Conditioners
- Distributed Generation Problems
- Electricity Market Liberalisation

#### T4 - Electrical Traction

- Traction Systems
- Traction Drives
- Linear Motor Drives
- Superconductivity Applications
- Contactless Energy Transmission
- Diagnostics, Reliability, Dependability
- Communication Systems

#### T5 - Industrial Automation

- Field bus and Communication Systems
- Mechatronic Systems
- Sensing and Testing Techniques
- Intelligent control and Signal Processing

#### T6 - Renewable Sources of Energy and Cogeneration

- Power System Integration
- Energy Saving
- Energy and Environment
- Cogeneration and Hybrid Systems

#### T7 - Fuel Cells and Energy Storage

- Applications of Fuel Cells
- Supercapacitive Energy Storage
- High Speed Flywheels

#### T8 - Road Electrical Vehicles

- Energy Storage
- Hybrid Configurations
- Drives for Road Vehicles

#### T9 - Ship Propulsion and Marine Applications

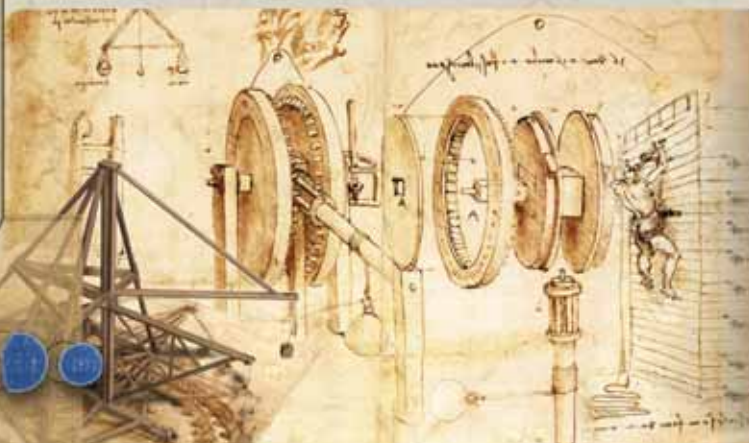
#### T10 - Teaching and Continuous Education

- Virtual Labs
- E-Learning



### CONTACT (Organising Secretariat Office)

**Gabriella de Cesare - Gianluca Brando**  
Dept. of Electrical Engineering  
University Federico II of Naples  
via Claudio 21, 80125 Naples (Italy)  
Tel +39 081 7683144  
Fax +39 081 7683223  
E-mail [speedam@unina.it](mailto:speedam@unina.it)

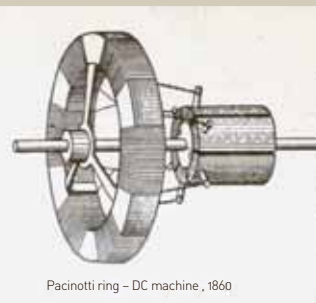
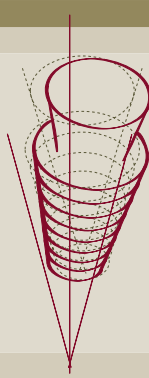




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Pacinotti ring - DC machine, 1860



## 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 three A4-pages at least. Files in .pdf or .doc format should be uploaded at [www.speedam.org](http://www.speedam.org), within October 31<sup>st</sup>, 2009. The synopsis should be clearly headed with the title of the paper, the reference topic and eventual further keywords. Please **do not** include name and affiliation of authors in the synopsis. 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. **Mention (in the reference list) to papers presented in past SPEEDAM Symposia is welcome.**

## SCIENTIFIC SESSIONS

Papers can be scheduled in oral presentation sessions or in interactive dialog presentation sessions. Moreover, some virtual dialog sessions will be organised in order to allow some selected authors to have a remote telematic participation.

## VENUE

SPEEDAM 2010 International Symposium will be held in Pisa (Italy), at the "Palazzo dei Congressi".

Pisa is a city on the Arno River, about 100 km far from Florence and about 10 km from the coast. It is in Tuscany, a region of central Italy rich in history and in artistic and cultural heritage. Pisa is mainly famous for its Leaning Tower, a freakish building which serves around the world as a shorthand image for Italy.

Pisa is the city where G. Galilei was born in 1564 and started his studies. Pisa is also the native place of A. Pacinotti, the inventor of the first feasible DC-generator on 1860. It was one of the favourite cities of Lord Byron, the famous English poet and leading figure in Romanticism period. The golden age of Pisa was from the 11th to the 13th century, when the city was one of the maritime powers of the Mediterranean sea. Several times Pisans defeated Saracens and imported from Arabs advanced ideas in the fields of sciences, philosophy and architecture.

In downtown there is a higher learning institution in Italy, the Scuola Normale, where many poets and scientists studied (like the Nobel prizes in physics E. Fermi and C. Rubbia).

From Pisa it is easy to get Florence, the gentle hills of Garfagnana, very renowned sea-side resorts as Viareggio and Versilia coast, the spa establishments of Montecatini, the picturesque cities of Lucca and Siena, the town of white marble (Carrara), the town of Vinci with the museum of Leonardo, the area of Chianti (one of the most famous Italian wines), and many other landscape beauties.

## 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](http://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 extended synopsis: October 31<sup>st</sup>, 2009**  
**Notification of acceptance: January 15<sup>th</sup>, 2010**  
**Submission of full-paper: March 31<sup>st</sup>, 2010**

Conference Proceedings will be published on IEEE Xplore



## Travel & Accommodation Office:

Join Team srl - Ph: +39 081 5753261 - Fax: +39 081 3619722  
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