

Section and Chapter News

IEEE Bahrain Section

Predictive Control of Power & Transient Simulation

IEEE Bahrain Section organized two presentations in Bahrain Gulf Hotel on Sunday the 5th October 2003. Seventeen people in the Electrical field attended the presentations from the Kingdom of Bahrain, Kingdom of Saudi Arabia and United Arab Emirates.

Dr. Isa Qamber — IEEE Bahrain Section — opened the presentations with thanks to the presenters, the attendees and the Council officers.

Presentation 1: PALADIN

Intelligent Predictive Control of Today's Advanced Power Distribution Networks

Presenter Michael Reed holds a Master's degree in Naval Architecture and Marine Engineering from M.I.T., an Ocean Engineer degree from M.I.T., and is currently Director of Electromagnetics, General Atomics, USA.

This presentation threw light on Paladin, a first-of-a-kind technology for intelligent and predictive control of mission critical electrical power systems. Paladin delivers an intelligent umbrella of safety over any electrical distribution and transmission system for mission critical facilities and operations. It transforms

traditional power management software solutions from Supervisory Control and Data Acquisition (SCADA) to intelligent data collection integrated with diagnostics perspective.

Presentation 2: On-Line, Real-Time Transient Simulation

Presenter Ali M. Nasle, P.E. obtained his MSEE from Wayne State University and BS from Michigan State University and is CEO of EDSA Micro Corporation.

This is a unique technology allowing one to build on line, PSS, AVR, GOVERNOR, Control Functions and then to test and apply the model in Real-Time for Motor Sequencing, Fast Bus Transfer, Fault Isolation Units. The benefits are to save time, increase accuracy, reduce cost, and increase reliability of the system.

News

The Bahrain Section Officers election was completed successfully and the following members are elected with their positions:
 Chairman — Dr. Isa Qamber
 Vice Chairman — Dr. Jamal Hijris
 Treasurer — Mr. Abd Ali Al-Wazeer
 Secretary — Mr. C. J. Ravindradas

contributed by
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IEEE Benelux

Eng Management Soc. Chapter Life Cycle Engineering. October 6, 2003

EMS Benelux members met at TU Eindhoven, assisted by IEEE Student Branch Eindhoven in cooperation with "KIVI-Bedrijfskunde".

KIVI is the professional body for graduates of the technical universities in the Netherlands, and "KIVI-Bedrijfskunde" is its Engineering Management Society.

We heard Tetsuo Tomiyama of Delft University of Technology from Mechanical Eng and Marine Technology make a presentation on Life Cycle Engineering, introducing a paradigm that goes beyond analyses and recycling. The second speaker Menno Nagel — also from Delft — gave recent findings on the environmental load from various types of equipment used in the telecommunication industries.

For the remainder of 2003, the following activities were planned:

- Visit to KPN's national operation & control center in Hilversum in November.
- Innovation & Start-ups, December 8 —with IEEE Computer Society Benelux at the TU Delft.

Members are invited to become part of the chapter management. The economic downturn means business priorities have changed, so the need to network increases.

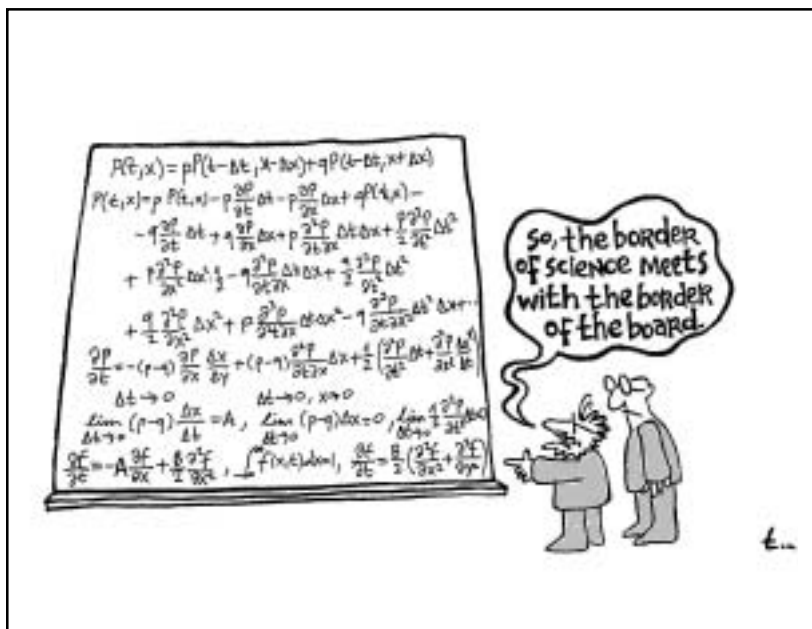
All members are encouraged to enable their personal IEEE email alias; i.e., firstname.lastname@ieee.org.

IEEE Benelux has its own website: www.ieee.nl and www.ieee.be.

Contact us: robert.bierwolf@ieee.org and bart.r.meijer@ieee.org

IEEE Germany Section IEEE Joint IAS/PELS/IES Chapter

Aachen Technical University and Philips Research Host Chapter Meeting One hundred and twelve participants took part in our largest chapter meeting ever, held in conjunction with the Benelux Joint IAS/PELS/IES Chapter. Members and



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guests, including a distinguished lecturer and four IEEE officials came together in the historic capital of Europe, Aachen.

During the first day, we visited the labs of the Institute for Power Electronics and Electrical Drives, led by Prof. Dr. ir. Rik W. De Doncker, the founding chairman of our chapter. Current chairman Dr. Magyar donated a historical radio receiver on behalf of the chapter — a “Philips Aachen Super D52AU” manufactured in the institute building, a Philips production site. The following social meeting comprised a guided tour through the old city, ending in the university’s arched cellar where Philips had sponsored a party.



Local chairman Dr Schiebel (left) and chapter chairman Dr. Magyar with the historic Philips battery charger

At the Philips research laboratory next day, Dr. Magyar donated a Philips battery charger with a mercury vapour rectifier and iron-hydrogen current stabilizer tube from the 1920s and still functional today. Managing director Dr. R. G. Gossink introduced Philips Research Laboratory to the audience, followed by several technical lectures and demonstrations dealing with current research activities. The meeting closed with a distinguished lecture from Prof. P. G. Maranesi (IEEE Fellow, University of Milan/Italy) about Power Electronics for Space.

More detailed information about the chapter, recent and the upcoming meetings can be found at <http://www.ewh.ieee.org/r8/germany/ias-pels>.

*Dr. András Lelkes,
PMDM Precision Motors
Dr. Andreas Lindemann*

IEEE Greece Section

New Joint Chapter — Industry Applications, Power Electronics & Industrial Electronics

Stefanos Manias writes:

I am a Professor at the National Technical University of Athens in the School of Electrical and Computer Engineering, and Chairman of the new joint Chapter IAS/PEL/IES formed 22 August 2003.

On 25 September 2002, IEEE Fellow Prof. Andreas Antoniou was honored by the National Technical University of Athens with the Degree of Emeritus for his work on Digital Signal Processing. Andreas studied Electrical Engineering at the University of London and his career in research and development began in the UK. He moved to Northern Electric in Canada, then became Professor and Chair in EE and Computer Engineering at Concordia University in Montreal. He was founding Chair at the University of Victoria, British Columbia, where he is now Professor.

*Best Regards
Stefanos Manias
manias@central.ntua.gr*

Power Engineering Chapter

Costas Vournas writes:

During 2003, three power conferences were organised successfully in Greece with the sponsorship of IEEE Greece Power Chapter: (1) ISAP 2003 — Lemnos Greece, Sept. 2003; (2) JapMed’03 May 19-21, — NTUA, Athens; and (3) UPEC 03, 1-3 September 2003 — Thessaloniki. Brief reviews of ISAP and UPEC follow.

*Best regards,
Costas Vournas
Chair, IEEE Greece Power Chapter*

ISAP 2003

ISAP 2003 was held to discuss innovative solutions in the area of operation, control, planning and maintenance. It focused on power systems operating in competitive environment, renewable energy and distributed generation. Competitive, Environment, Renewable Energy, Distributed Generation were the keywords for 102 papers which gave high level R&D and practices in 22 different countries. It

was a great success attracting more than 140 participants from Greece and abroad.

CD-ROM with the Proceedings of the Conference is available for 60 Euros plus. contact isap03@power.ece.ntua.gr.

by Prof. N. Hatzargyriou

UPEC 2003

1-3 September 2003, Aristotle University, Thessaloniki

The 38th International Universities Power Engineering Conference had a broad theme, covering all aspects of electrical power engineering, and was attended by academics, research workers, and members of the power service and manufacturing organizations. During the sessions, 185 papers from 32 countries were debated. A plenary session, 26 technical sessions, and a closing session were held, where all technical papers were presented orally in four groups of parallel sessions.

UPEC provides a forum for the exchange of ideas among practicing engineers from the universities, consultants, and in the manufacturing and supply industries.

The conference was hosted by the High Voltage Laboratory of the Department of Energy of the Faculty of Electrical and Computer Engineering at Aristotle University of Thessaloniki, Greece.

The thirty-ninth conference, UPEC 2004, is to be hosted by the University of West England, Bristol, UK — September 6-8, 2004. Contact Dr Hassan Nouri for information: hassan.nouri@uwe.ac.uk.

by Prof. T. Hammons



Prof. Andreas Antoniou was honored by the National Technical University of Athens with the Degree of Emeritus