



Kungliga Tekniska Högskolan (KTH) welcomes you to

PMAPS2006

Probabilistic Methods Applied to Power Systems



PMAPS2006 Prize Paper Award

- Selection Procedure
- Prize Paper Award Board
- Prize Paper Award Winners



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PMAPS2006 Prize Paper Award

- Selection Procedure
 - Preselection by the track leaders (8-12 papers)
 - Evaluation by the award board members
 - Choosing one winner per track
 - Excluded from the awards
 - LOC, ITAC/Award
 - IS members



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Track 1 Winner

Statistical algorithm for power transmission
lines distance protection

*Bockarjova, Marija^{*1}; Sauhats, Antans²;
Andersson, Göran¹*

¹ETH Zurich, Information Technology and Electrical Engineering,
ETH Zentrum / ETL G 28, Zürich, Switzerland;

²Riga Technical university, Electrical Engineering, Riga, Latvia

* student



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Track 2 Winner

Daily load forecasting and maximum demand estimation using ARIMA and GARCH

Hor, Ching Lai¹; Watson, Simon¹; Majithia, Shanti²

¹Loughborough University, Electronic and Electrical Engineering, Centre for Renewable Energy Systems Technology, Angela Marmont Renewable Energy Laboratory, United Kingdom;

²National Grid Transco Company, Forecasting Development, National Grid Control Centre, Berkshire, United Kingdom



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Track 3 Winner

Component reliability prognosis in asset management methods

Schwan, Michael¹; Schilling, Klaus¹; Zickler, Uwe²; Schnettler, Armin²

¹Siemens AG, PTD SE, Erlangen, Germany;

²FGH e.V., Mannheim, Germany



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Track 4 Winner

Protection system faults - a comparative review of fault statistics

Kjølle, Gerd¹; Gjerde, Oddbjørn¹; Hjartsjø, Bjørn Tore²; Engen, Haakon²; Haarla, Liisa³; Koivisto, Lauri⁴; Lindblad, Patrik⁴

¹SINTEF Energy Research, Energy Systems, Trondheim, Norway;

²Statnett, Grid Operations, Oslo, Norway;

³Helsinki University of Technology, Finland;

⁴Fingrid, Helsinki, Finland



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Track 5 Winner

Security-constrained adequacy evaluation of
bulk power system reliability

*Yang, Fang; Meliopoulos, A. P. Sakis; Cokkinides,
George; Stefopoulos, George*

Georgia Institute of Technology, United States



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PMAPS2006 Prize Paper Award

- Statistical algorithm for power transmission lines distance protection
- Daily load forecasting and maximum demand estimation using ARIMA and GARCH
- Component reliability prognosis in asset management methods
- Protection system faults - a comparative review of fault statistics
- Security-constrained adequacy evaluation of bulk power system reliability