

Registration Fees

Registered online ⇨	before Aug. 10 th	after Aug. 10 th
EEUG Member	€ 180.-	€ 200.-
Non Member	€ 270.-	€ 290.-

Registration fee includes: course notes and input data files of examples/exercises, lunch and refreshments.

Hotel Accommodation

A special price is arranged in the Hotel Tapiola Garden not far away from conference place Otaniemi. Participants are advised to reserve hotel accommodation via telephone +358 20 1234 600/ individual sales or e-mail sokos.hotels@sok.fi You are kindly requested to use the identification code "EEUG 2010".

Hotel: Sokos Hotel Tapiola Garden, Tapionaukio 3, FI-02100 Espoo Finland
Tel.: +358 20 1234 600
Email: sokos.hotels@sok.fi

Rates per night inclusive breakfast buffet (VAT 22%), service, room charge (VAT 8 %) and sauna in double room 129 € and in single room 109 €.

The deadline for hotel booking is June 14th 2010. Later booking will also be accepted subject to availability. Participants are free to choose any other hotel at their own convenience.

Cancellations

Written cancellations must be submitted in e-mail to LOC. If you enrol and cannot attend, a 20% service charge of the registration fee will be retained for cancellations received before May 10th, 2010. For cancellation in the period June. 10th, 2010 till July 10th, 2010 a service charge of 80% will be retained. No refunds will be possible after July 10th, 2010.

Hotel cancellation: For more information about hotel cancellation please contact the hotel directly.

Insurance

The local Organizing Committee does not accept any liability or responsibility for death, illness or injury to persons or for the loss of, or damage to property or for any financial loss to any persons attending the Conference

Local Organizing Committee (LOC)

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Aalto University

Aalto University is a newly created university resulting from the merger of three Finnish universities, the Helsinki School of Economics, the University of Art and Design and the Helsinki University of Technology – all leading and renowned institutions in their respective fields and in their own right. Aalto University started operating in January 2010 and opened up a new world of possibilities for multidisciplinary education and research.

Welcome to Espoo

The city of Espoo is the second largest and fastest growing city in Finland, with 244,000 inhabitants. Espoo is located next to the capital Helsinki, only 30 minutes drive from the international airport and 15 minutes from the city centre of Helsinki. Modern architecture and large corporations coexist in perfect harmony with culture and unspoilt wilderness. Substantial multinationals like Nokia and Kone have chosen Espoo as their home. Several leading Finnish companies have done the same, and the city's innovative spirit, complemented by the Aalto University School of Science and Technology in Otaniemi, attracts continuous interest from science and research professionals worldwide.

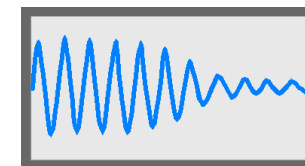
Helsinki - World Design Capital for 2012

Helsinki, the capital of Finland is a friendly city for all cultural activity, from creative processes and performing arts to enjoyment of cultural offerings.



Aalto University
School of Science and Technology

One Day EEUG Course



Issues in Modelling Transformers, Machines and Their Controllers Using ATPDraw

18th August 2010
Espoo Otaniemi, Finland

Organized by
Department of Electrical Engineering
AALTO UNIVERSITY
School of Science and Technology
and
European EMTP-ATP
Users Group Association

Course Description

The basic aims of this one-day course are mainly to familiarise ATP users with the modelling and simulation using ATPDraw in an advanced level. Recently built-in features of ATPDraw will be presented besides modelling methods by means of various cases.

Venue

The one-day EEUG course will be held at the Department of Electrical Engineering of the Aalto University School of Science and Technology, Finland on Wednesday 18th of August 2010 from 9:30 – 17:30.

**for a map or more location details refer to <http://www.eeug.org>*

Intended Audience

Engineers and researchers in Industry, Utilities, Universities and Consulting Companies involved in Power Engineering with some ATP-EMTP experience. It is obligatory to be licensed for ATP use before participating in this course.

Please contact Dr. Hassan Nouri (EEUG Chairman), University of the West of England, Bristol, UK (email: Hassan.Nouri@uwe.ac.uk) for information on how to apply for the ATP license and/or become an EEUG member. Information about ATP licensing conditions is available at the web sites <http://www.emtp.org> or <http://www.eeug.org>.

Course Outline

The following topics will be covered by the course instructor which will be accompanied by illustrative examples. The latest PC version of ATP-EMTP and ATPDraw running under MS Windows XP/Vista will be used for the exercises. Participants are encouraged to bring and use their own portable PCs if desired.

Issues in Modelling Transformers, Machines and Their Controllers Using ATPDraw

The primary aim of the course is to take participants rapidly through the basics of using ATPDraw and then use some of the more advanced features of ATP Draw including MODELS and TACS. Practical examples will be used in the course, many based on failure incidents in which the course tutor was involved in investigating. The examples will include :

- Induction motor modelling including validation and a fault infeed study.
- Transformer inrush study including a discussion about data.
- Data entry for the synchronous generator – rules of thumb to use when full data is not available.
- Synchronous generator in single phase motoring mode (no AVR).
- A simple instrument rectifier for an Automatic Voltage Regulator (AVR) (using MODELS).
- An IEEE Type 2 AVR (using TACS).
- A simple prime mover and governor for a synchronous generator (TACS) which works.
- A simple prime mover and governor for a synchronous generator (TACS) which does not work and why it does not work.
- A square wave inverter (TACS) feeding and induction motor (open loop).
- A closed-loop variable speed drive (TACS + MODELS) with power-loss ride through.
- Study of a transformer failure due to part-winding resonance.

Course Instructor

Dr Morris Lockwood

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Social Events

Delegates are cordially invited to enjoy the welcome reception of Espoo City which will take place on Sunday, August 15th, from 18h to 19h in Tapiola. The official dinner will be held on Monday, August 16th, 2010. We start with a short boat sightseeing from Otaniemi to Haukilahti where we will have our dinner in Restaurant HaukilahtiPavilion. <http://www.haukilahdenpaviljonki.fi>

Registration

Early registration for the meeting is strongly recommended. Please fill in the registration form found on the webpage:

https://eage.tkk.fi/?fs/TAPAHTUMA_24928_EEUG_meeting_2010

before July 15th, 2010. The registration form also includes short course sign up. Registrants will receive an e-mail for their confirmation.

For all correspondence regarding the EEUG you are kindly requested to use identification code "EEUG Conference 2010".

The registration desk will be open on August 15th (Sunday) at Tapiola Garden Hotel from 17h to 18h and August 16th (Monday) from 8:30 until 12:00 noon at the Faculty of Electronics, Communications and Automation, Otakaari 5 A, Otaniemi, Espoo Finland.