

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

There are 60 rooms reserved at special price for the participants in the newly built hotel Golden Tulip in Delft. Participants are advised to reserve hotel accommodation via telephone (+31 15 888 9010) or email (info@tulipindelft.nl). You are kindly requested to use the identification code "EEUG conference 2009".

Hotel Golden Tulip*** www.tulipindelft.nl

Tel.: +31 15 888 9010

Email: info@tulipindelft.nl

Rates per night in a room inclusive breakfast: € 97,50. The reservation and prices are guaranteed until July 24th 2009.

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 Aug. 10th, 2009. For cancellation in the period Aug. 10th, 2009 till Sept.10th, 2009 a service charge of 80% will be retained. No refunds will be possible after Sept. 10th, 2009.

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)

Dr Marjan Popov, dipl-ing.

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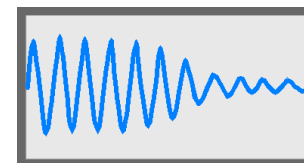
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Delft – Dutch City of Culture

The city of Delft is more than 750 years old. It owes its name to the word 'delving', digging the oldest canal, the Oude Delft. In 1246, Delft received its city franchise from the Dutch Earl Willem II. Delft flourished and new neighbourhoods were added. As early as 1355 the city reached the size it would remain until the 19th. Delft has been closely associated with the House of Orange for centuries. In the turbulent years after 1572, Prince William of Orange (1533-1584), Count of Nassau, used to bring the court and his family to the Saint Agatha monastery within the walls of the fortified town. Yet this was also where the founder of the Dutch monarchy died in 1584 after being shot by Balthasar Gerards. The bullet holes are still visible. He was buried in the New Church in Delft, because Breda, the home of the family grave, was in Spanish hands at the time. Since then, 46 members of the House of Orange have found their last resting place in the tombs of this church. Delft is not just a city of culture, but also a city of knowledge. Not just because of the Technical University and TNO, but also because of the many knowledge-based institutes and companies - DSM Gist, the Dutch Measuring Institute, Exact Software, Delft Instruments etc.



One Day EEUG Course



Modelling of Wind and Photovoltaic Generators with ATP-EMTP and ATPDraw

28 October 2009
Delft, The Netherlands

Organized by
Delft University of 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 the field of wind and photovoltaic generators, energy storage systems and electric cars at an advanced level. Basic knowledge on induction machines and photovoltaic generators would be greatly beneficial.

Venue

The one-day EEUG course will be held at the Faculty of Electrical Engineering of the Delft University of Technology, Delft, the Netherlands on wednesday 28th of October 2009 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 instructors 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.

Modelling Wind and Photovoltaic Generators with ATP-EMP and ATPDraw

PART I:

Modelling and control of wind turbines based on doubly-fed induction generators (DFIG)

- Overview on DFIGs
- Control structure for wind turbine applications
 - Active power control
 - Reactive power control
 - Pitch angle control
- Study cases
 - Normal operation
 - 3ph. short circuit (stand-alone DFIG)
 - 3ph. short circuit (wind park example)

PART II:

The modeling of photovoltaic generators, storage systems and electrical cars in the low voltage grid:

- Overview: Storage systems for the integration of photovoltaic power plants in low voltage grids
- Modelling
 - photovoltaic power plant
 - storage system
 - electrical cars
 - low voltage grid
- Different case studies

Course Instructors

Part I:

Dr. Piergiorgio La Seta
Siemens AG, E D SE PTI NC
Freyeslebenstr. 1
91058 Erlangen, Germany
piergiorgio.laseta@siemens.com

Part II:

Prof. Dr. Mirko Bodach,
Westfälische Hochschule Zwickau
Fakultät Elektrotechnik
Professur Elektrische Energietechnik / Regenerative Energien
Dr.-Friedrichs-Ring 2a
D-08012 Zwickau
Mirko.Bodach@fh-zwickau.de

Social Events

Delegates are cordially invited to enjoy the welcome reception which will take place on Sunday, October 25th, from 18h to 19h at Royal Delft (www.royaldelft.nl) which is located on Rotterdamseweg 196 in Delft and is on a walking distance from the Faculty of EEMCS. The official dinner will be held on Tuesday, October 26th, 2009.

Registration

Early registration for the meeting is strongly recommended. Please fill in the registration form found on the conference web page

<http://www.eeug.org/eeug/eeug09.htm> before July 20th, 2009. 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 2009".

The registration desk will be open on October 25th (Sunday) at Royal Delft and October 26th (Monday) from 8:30. until 12:00 at the Faculty of EEMCS.