## **ENERGY-SLAM (E-SLAM)**

#### WHAT IS E-SLAM?

- Short science presentation competition (max. 10 minutes)
- Contestants are young scientists and engineers, e.g. Master or PhD students with focus on energy related research
- Evaluation by the audience considering content, clarity and especially the entertainment factor
- Presentation: power point, flip chart, pen or anything that is needed

## WHAT ARE THE BENEFITS OF E-SLAM?

- Participants of E-SLAM benefit from reduced conference fee
- Accepted papers are published in VDE conference proceedings
- The winner has free choice of a book up to 150 €

#### HOW TO PARTICIPATE IN E-SLAM?

- Submission of max. 4 pages about current research until 12.05.2017
- Authors of submitted full paper have an additional choice to present at E-SLAM and benefit from reduced conference fee
- Notification of acceptance: 16.06.2017

#### **IMPORTANT DATES**

Submission of abstract:	18.04.201
Response of reviewers:	02.05.201
Submission of full paper:	02.06.201
Notification of acceptance:	07.07.201
Early bird registration by:	21.07.201
Final submission:	04.08.201
Registration & conference fee by:	01.09.201

## ABSTRACT

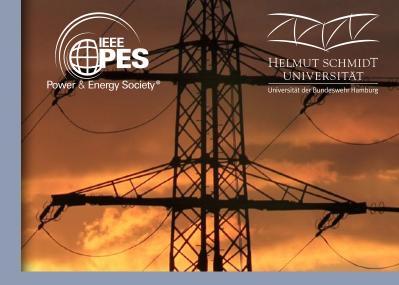
- Maximum 2 pages (including figures and tables)
- Submission format: PDF
- Abstract submission via conference website
- Deadline: 20.03.2017
- Response of reviewers by 10.04.2017
- Template available on the website

#### SUBMISSION OF FULL PAPER

- Size: 4–6 DIN A4 pages
- Mandatory template available on the website
- Submission format: PDF or Word
- Presentation at conference (15 minutes) or contribution to the poster session
- Deadline: 12.05.2017
- Language: English
- Notification of acceptance: 16.06.2017
- Final submission: 14.07.2017

## CONTACT

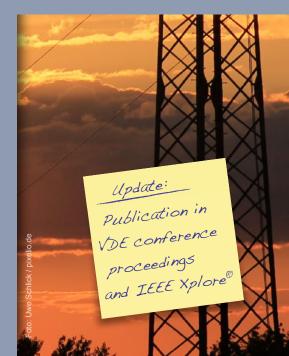
Website: E-Mail: Contact persons: Phone: Fax: www.neis-conference.com info@neis-conference.com Dr.-Ing. Michael Jordan Dipl.-Ing. Florian Grumm +49-40-6541-2461 +49-40-6541-3402 +49-40-6541-3083



# **NEIS 2017**

Hamburg · 21–22 September 2017

Conference on Sustainable Energy Supply and Energy Storage Systems







#### LOCATION

Helmut Schmidt University / University of the Federal Armed Forces Hamburg Holstenhofweg 85 · 22043 Hamburg

#### DATE OF THE CONFERENCE

21-22 September 2017

#### CONFERENCE ON SUSTAINABLE ENERGY SUPPLY AND ENERGY STORAGE SYSTEMS

The conference is hosted by the chair of Electrical Power Systems of the Helmut Schmidt University and technically co-sponsored by IEEE. It will provide a forum for scientists and experts to discuss the following key aspects:

- Grid Integration of Renewable Energy Sources
- Planning of Distribution Grids considering Renewable Energy Sources
- Grid and Plant Protection
- Energy Storage Systems
- Power Quality

## **SOCIAL EVENTS**

- Dinner Event
- Energy-Slam
- Excursion to 110 kV substation

For further information regarding the conference please consult *www.neis-conference.com* 

## **OVERVIEW**

- 1. Renewable Energy
- a. Technological Developments
- b. Modelling and Simulations

#### 2. Planning of Distribution Grids

- a. Grid Expansion
- b. Smart Grids/Meters
- c. Virtual Power Plants
- d. New Grid Concepts
- e. Integration of Electromobility
- f. Power Rating of Households/Industry
- g. Reference Networks
- h. Island Grids & Isolated Grids, Micro-Grids
- i. Technological Trends of Electrical Equipment

#### 3. Grid and Plant Protection

- a. Influence of Renewable Energy Sources
- b. Fault Behaviour of Power Electronic Front-Ends
- c. Modelling and Simulations of Grid Failures
- d. Lightning and Voltage Transients
- e. Island Grids & Isolated Grids, Micro-Grids
- f. New Protection Concepts
- g. Technological Trends

#### 4. Energy Storage Systems

- a. Technological Developments
- b. Demand-Side-Management
- c. Electromobility
- d. Grid Expansion
- e. Future Storage Demand

#### 5. Power Quality

- a. Harmonic Propagation
- b. Influence and Problems
- c. Filter Design
- d. Grid Impedance Measurement
- e. Power Theory

## **CONFERENCE DIRECTOR**

#### Univ.-Prof. Dr.-Ing. habil. Detlef Schulz

Chair of Electrical Power Systems Faculty of Electrical Engineering

Helmut Schmidt University / University of the Federal Armed Forces Hamburg

Speaker of Research Cluster Sustainable Power Systems

For further information regarding the research cluster please consult *www.hsu-hh.de/nev* 

#### **CONFERENCE FEE**

For accepted full papers	250€
For early bird registration	200€
For students + E-SLAM participants	150€



