

## Important Dates

Submission of extended abstract:	01.03.2016
Response of reviewers:	01.04.2016
Submission of full paper:	01.05.2016
Notification of acceptance:	16.06.2016
Deadline for early bird registration:	06.07.2016
Deadline for registration & Conference fee:	01.08.2016

Foto: Reinhard Scheiblich / HSD-HH



HELMUT SCHMIDT  
UNIVERSITÄT

Universität der Bundeswehr Hamburg

# NEIS 2016 Conference

Hamburg · 15-16 September 2016

## Conference on Sustainable Energy Supply and Energy Storage Systems

PUBLICATION OF PRESENTED PAPERS IN  
SPRINGER CONFERENCE PROCEEDINGS

### Abstract

The extended abstract should have a maximum length of 4 pages, including figures and tables, and has to be submitted in pdf format not later than 01.03.2016 through the online submission system of the conference homepage. The response of reviewers will be sent by 01.04.2016.

*Templates and additional information are available on the conference homepage:  
[www.neis-conference.com](http://www.neis-conference.com)*

### Submission of full paper

The full paper should have a size of 4-6 A4 pages and will be reviewed. Deadline for the receipt of full papers is 01.05.2016. The conference language is English.

The papers have to be presented at the conference in 15-minute presentations. They have to be submitted in pdf format.

### HIGHLIGHT:

Special EVENT Energy-SLAM (E-SLAM)  
Accepted papers for presentation in E-SLAM are published as a part of the Springer conference proceedings.

### 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 under following considerations: content, clarity but especially in entertainment factor
- Presentation: power point, flip chart, pen, but everything what is needed.

### What are the benefits of E-SLAM?

- Participants of E-Slam benefit from reduced conference fee
- Accepted papers are published as a part of the Springer conference proceeding
- The winner has a free choice of a book up to 150 €

### How to participate in E-SLAM?

- Submission of max. 4 pages about current research until 01.04.2016 or
- authors of submitted full paper have an additional choice to present at E-SLAM and benefit from reduced conference fee
- Notification of acceptance 16.06.2016

### Contact:

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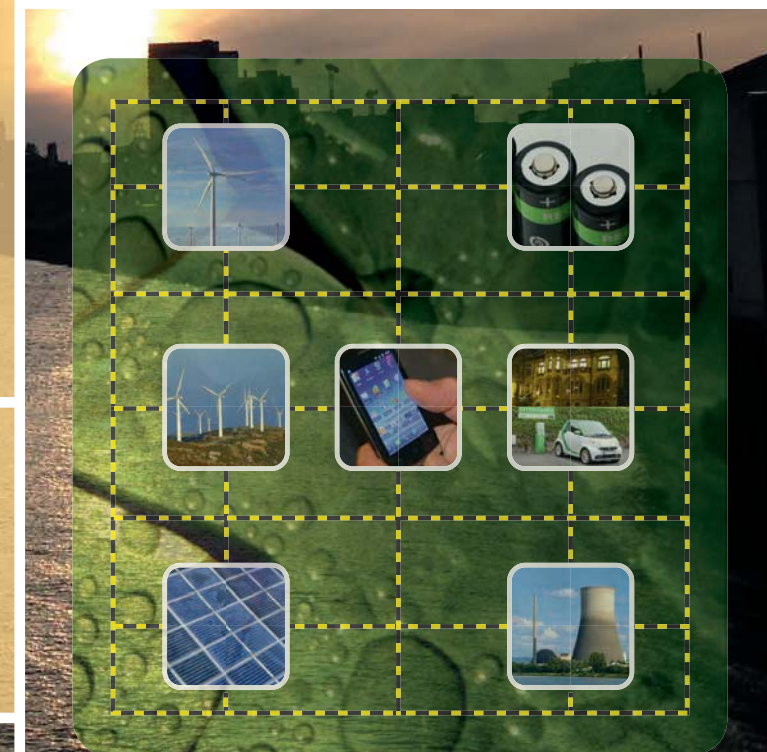


Foto: Dominik Vetter / pixelio.de

We are looking forward to your participation at NEIS 2016!





## Conference on Sustainable Energy Supply and Energy Storage Systems

**Key aspect: Grid integration of renewable energy**

The conference for sustainable energy supply and integration of energy storage systems is hosted by the chair of Electrical Power Systems of the Helmut Schmidt University. It will provide a forum for scientists and experts to discuss prospective developments in the fields of energy supply and energy storage technologies. The promotion of renewable energies started a paradigm shift away from fossil and nuclear energy towards a sustainable and safe energy supply. This transition requires innovative approaches and the establishment of new framework conditions.

The latest developments and new approaches in the fields of renewable energies, energy storage, power grids and framework conditions are discussed. Special emphasis is placed on the system technical consideration, analysis and optimization of the power sector. These include future strategies for improved network integration of fluctuating energy sources and grid control concepts with decentralized power plant units. Besides the technical aspects also the economic, social and legal conditions are focused at the conference.

## Overview

1. Renewable Energy
  - a. Technological Developments
  - b. Modelling and Simulations
  - c. Grid Integration
2. Electrical Power Grids
  - a. Grid Expansion
  - b. Smartgrids/ -meters
  - c. Virtual Power Plants
  - d. New Concepts
3. Energy Storage Systems
  - a. Technological Developments
  - b. Demand-Side-Management
  - c. Electromobility
  - d. Future Storage Demand
4. Power Quality
  - a. Harmonic Propagation
  - b. Influence and Problems
  - c. Filterdesign
  - d. Grid Impedance Measurement
  - e. Power Theory
5. Framework Conditions
  - a. Grid Codes
  - b. Smartmarket
  - c. Regulatory and Economic Conditions
  - d. Acceptance and Socio Economic Influences

## 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  
<http://www.hsu-hh.de/nev>

## Location

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

## Date of the Conference

15-16 September 2016

## Conference fee

For accepted full papers ..... 250 €  
For early bird ..... 200 €  
For students + E-Slam participants ..... 150 €