

Call for application

Smart Grid Training workshop for undergraduate students

Co-Funded by the Erasmus+ Program

Application deadline: Monday, June 3, 2019, 4:00pm

AT-SGIREs aims to Introduce the topic of Smart grid and grid integrated systems to the curricula of undergraduate and Postgraduates programmes in different MENA and EU universities and to deepen the understanding of the smart grid projects and grid connected system among Communities, working force and university renewable energy faculty members and graduates in the MENA region. Also, it aims to improve the quality of renewable energy integration and smart grid courses offered in the partner Universities, develop and implement online teaching modules in the field of smart grid and integration of Renewable energy sources for a wider dissemination, enhance cooperation amongst Jordanian, Moroccan and Syrian Universities on one hand and these with EU Universities on the other hand in the field of smart grid technology and grid connected systems and to build the capacities of the university teaching staff in partner universities through training Workshops and exchange activities.

The training will be conducted in Newcastle University during Sept. 2-13, 2019.

The general training topics are:

1. Energy Storage Systems
2. Island-Offshore power systems
3. Microgrid
4. Active Network Management, and Advanced Power Flow Management
5. Advanced Voltage Control for Smart Grids, and Distributed Control for Smart Grids.
6. Architecture of Smart Grid
7. Uncertainty in power system and Smart Grid
8. Demand Side Response.
9. Real Time Thermal Rating
10. Distributed and Renewable Electrical Energy Systems I: (PV and Wind)
11. Distributed and Renewable Electrical Energy Systems II: (CHP and Fuel Cell)
12. Information and Communication Technology (ICT) and Cyber-security for Smart Grids

GJU students will participate in the training sessions and are expected to transfer knowledge to their home institutions by participating and supporting at dedicated workshops. We are targeting students from the undergraduate level.

The **AT-SGIREs** project will cover the following costs according to Erasmus+ project guidelines.

Travel costs up to 530 Euro

Daily expenses up to 60 Euro per day.



The selection criteria are:

- **Third year student and above**
- **English skills: All workshops will be held in English.**
- **Gender equality (males and females)**
- **Students related majors:**
 - **Energy Engineering**
 - **Electrical Engineering**
 - **Mechatronics**

There will be a committee to interview short listed students for the selection process.

Interested applicants should submit their documents (**application form, motivation letter, CV, transcript of records**) until Monday, June 3, 2019, 4:00pm

We are looking forward to receiving your applications!

Application form — AT-SGIREs Training course

Personal Information

Name of applicant	
Address	
Date of Birth	
Nationality	
GJU Student ID	
Email Address	
Phone number	
Major	
Number of semesters studied at GJU	
Current GPA	
English proficiency (A1-C2)	

Attachments:

- CV
- Letter of Motivation
- Transcripts of records from Registration Department

Please send the completed application containing all required documents via email to hani.mohsen@gju.edu.jo

Interviews will be announced later.

For more information relating to the content of the trainings, contact Prof. Ala’aldeen Al-Halhouli Alaaldeen.alhalhouli@gju.edu.jo or Dr. Hani Muhsen, hani.mohsen@gju.edu.jo

