



AT-SGIRE: Advanced Teaching and training on Smart grid and Grid Integration of Renewable Energy Systems

Special Training Session for the Syrian partners

AGENDA

German Jordanian University

AT-SGIRE: Advanced Teaching and training on Smart grid and Grid Integration of Renewable Energy Systems

Author(s):

Institute:

Date:

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AT-SGIREs: Advanced Teaching and training on Smart grid and Grid Integration of Renewable Energy Systems

Day 1: February 24, 2020

Venue:TBC,GJU

Room: TBC

Start Time	Stop Time	Duration (hours)	Content
9:30	10:00	0:30	Welcome and Housekeeping (Dr Hani Mohsen)
10:00	11:00	1:00	Unit 1: Evolvement of distribution network into Smart Grids (Dr Adib Allahham)
11:00	11:30	0:30	Coffee break
11:30	13:00	1:30	Unit 2: Pillars of Smart Distribution – Part 1 (Dr Adib Allahham)
13:00	14:00	1:00	Lunch break
14:00	15:30	1:30	Unit 2: Pillars of Smart Distribution – Part 2 (Dr Adib Allahham)
15:30	16:00	0:30	Coffee break
16:00	17:30	1:30	Unit 3: Smart Grids: Trilemma – Existing approaches – Power systems in steady-state(Dr Adib Allahham)
17:30	18:00	0:30	General Discussion –Matter Arising – Questions (Dr Adib Allahham)

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Day 2
February 25, 2020

Venue: TBC,GJU

Room:TBC

Start Time	Stop Time	Duration (hours)	Content
09:30	11:00	1:30	Unit 4: Microgrid Energy Management (Dr Adib Allahham)
11:00	11:30	0:30	Coffee break
11:30	13:00	1:30	Unit 5: Energy Storage & FACTS – Part I (Dr Neal Wade)
13:00	14:00	1:00	Lunch break
14:00	15:30	1:30	Unit 5: Energy Storage & FACTS – Part II (Dr Neal Wade)
15:30	16:00	0:30	Coffee break
16:00	17:00	1:00	Self-study
17:00	17:30	0:30	General Discussion –Matter Arising – Questions (Dr Adib Allahham)

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Day 3
February 26, 2020

Venue: TBC,GJU

Room: TBC

Start Time	Stop Time	Duration (hours)	Content
09:30	12:00	2:30	Unit 6: ICT for Smart Grid & Cyber-security for Smart Grid (Dr ZoyaPourmirza)
12:00	13:00	1:00	Lunch break
13:00	15:30	1:30	Journal Paper to be reviewed(Dr ZoyaPourmirza) Papers title to be defined
15:30	16:00	0:30	Coffee break
16:00	17:30	1:30	Unit 6: Case study on ICT and Cyber-security for Smart Grid (Dr ZoyaPourmirza)
17:30	18:00	0:30	General Discussion –Matter Arising – Questions (Dr Adib Allahham)

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Day 4
February 27, 2020

Venue: TBC,GJU

Room: TBC

Start Time	Stop Time	Duration (hours)	Content
09:30	11:00	1:30	Unit 7: Future loads – Smart meters – Demand Side Response (Dr Neal Wade)
11:00	11:30	0:30	Coffee break
11:30	13:00	1:00	Unit 7: Journal Paper to be reviewed Neaimeh M, Wardle R, Jenkins AM, Yi J, Hill G, Lyons PF, Hübner Y, Blythe PT, Taylor PC. A probabilistic approach to combining smart meter and electric vehicle charging data to investigate distribution network impacts. Applied Energy. 2015 Nov 1;157:688-98. (Dr Neal Wade)
13:00	14:00	1:00	Lunch break
14:00	15:30	1:30	Unit 7: Case study on Future loads – Smart meters – Demand Side Response (Dr Neal Wade)
15:30	16:00	0:30	Coffee break
16:00	17:30	1:30	Unit 8: Real-Time simulation (Dr Adib Allahham)
17:30	18:00	1:00	General Discussion –Matter Arising – Questions (Dr Adib Allahham)

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Day 5
February 28, 2020

Venue: TBC,GJU

Room: TBC

Start Time	Stop Time	Duration (hours)	Content
09:30	11:00	1:30	Unit 9: Workshop on new teaching methods – Flipped Classroom (TUHH)
11:00	11:30	0:30	Coffee break
11:30	13:00	1:30	Unit 9: Exercises for flipped classrooms
13:00	14:00	1:00	Lunch break
14:00	15:30	1:30	Unit 10: How to act as a multiplier
15:30	16:00	0:30	Coffee break
16:00	17:30	1:30	Self-study
17:30	18:00	0:30	General Discussion –Matter Arising – Questions (TUHH team)



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