



AGENDA

Fundamentals of Battery Energy Storage Systems

Start Date 18th November 2020
Finish Date 25th November 2020
Location University of Cyprus (New Campus)
1 Panepistimiou Avenue, 2109, Aglantzia, Nicosia

Day 1 – Theoretical Part November 18, 2020

Seminar Room: University of Cyprus (New Campus)
Room LRC 014, Learning Resource Centre "Stelios Ioannou"
Trainer: Mr Nikolas Chatzigeorgiou / Dr George E. Georghiou

Start Time	Stop Time	Duration (hours)	Content	Trainer
09:00	10:00	1:00	Unit 1: Introduction to Energy Storage	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
10:00	11:30	1:30	Unit 1: Introduction to Energy Storage	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
11:30	11:45	0:15	Coffee break	
11:45	12:45	1:00	Unit 2: Energy Storage Systems	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
12:45	13:30	0:45	Lunch break	
13:30	14:30	1:00	Unit 2: Energy Storage Systems	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
14:30	16:30	2:00	Unit 3: Energy Storage at the residential level	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
16:30	16:45	0:15	Coffee break	
16:45	17:45	1:00	Unit 4: Battery Energy Storage Systems	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou



Day 2 – Theoretical Part
November 20, 2020

Seminar Room: University of Cyprus (New Campus)
Room LRC 014, Learning Resource Centre "Stelios Ioannou"
Trainer: Mr Nikolas Chatzigeorgiou / Dr George E. Georghiou

Start Time	Stop Time	Duration (hours)	Content	Trainer
09:00	10:00	1:00	Unit 4: Battery Energy Storage Systems	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
10:00	11:30	1:30	Unit 5: Energy flexibility	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
11:30	11:45	0:15	Coffee break	
11:45	12:45	1:00	Unit 5: Energy flexibility	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
12:45	13:30	0:45	Lunch break	
13:30	15:30	2:00	Unit 6: Services offered by Energy Storage Systems and the Smart Grid	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
15:30	16:30	1:00	Unit 7: Energy Communities	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
16:30	16:45	0:15	Coffee break	
16:45	17:45	1:00	Unit 7: Energy Communities	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou



Day 3 – Practical Part
November 25, 2020

Seminar Room: University of Cyprus (New Campus)
PV Technology Laboratory & LRC 005, Learning Resource Centre "Stelios Ioannou"
Trainer: Mr Nikolas Chatzigeorgiou / Dr George E. Georghiou

Start Time	Stop Time	Duration (hours)	Content	Trainer
09:00	10:30	1:30	Laboratory 1: PV-BESS pilot visit (operated by the FOSS Research Centre for Sustainable Energy) Location: PV Technology Laboratory	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
10:30	11:00	0:30	Laboratory 2: PV-BESS sizing Location: LRC 005	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
11:00	11:15	0:15	Coffee break	
11:15	12:15	1:00	Laboratory 3: StoRES Living Lab Location: LRC 005	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
12:15	13:00	0:45	Lunch break	
13:00	14:00	1:00	Laboratory 3: StoRES Living Lab Location: LRC 005	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
14:00	15:00	1:00	Laboratory 4: StoRES Online PV+Storage Optimisation Tool Location: LRC 005	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou
15:00	15:15	0:15	Coffee break	
15:15	16:15	1:00	Laboratory 4: StoRES Online PV+Storage Optimisation Tool Location: LRC 005	Mr Nikolas Chatzigeorgiou Dr George E. Georghiou



Day 4 – Final Exam
December 2, 2020

Theoretical Exam

Seminar Room: University of Cyprus (New Campus)
Room LRC 012, Learning Resource Centre "Stelios Ioannou"
Time: 10:00 am – 12:00 pm