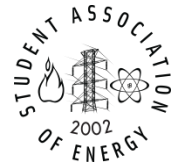


Preliminary program

	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	
	Aug. 23. (Sunday)	Aug. 24. (Monday)	Aug. 25. (Tuesday)	Aug. 26. (Wednesday)	Aug. 27. (Thursday)	Aug. 28. (Friday)	
08.00-08.15	Arrivals	Breakfast at Stoczek Canteen	Breakfast at Stoczek Canteen	Breakfast at Stoczek Canteen	Breakfast at Stoczek Canteen	Breakfast at Stoczek Canteen	
08.15-08.30							
08.30-08.45							
08.45-09.00		Break	Break	Break	Break	Break	
09.00-09.15		Opening Ceremony	Lecture 1 Introduction into Conventional Power Plant Technologies	Lecture 5 Energy Economics	Work on the Task	Site Visit – Energy-from-Waste Plant, Budapest	Site Visit - Kelenföld Power Plant, BUTE Renewable Energy Laboratory
09.15-09.30							
09.30-09.45							
09.45-10.00							
10.00-10.15							
10.15-10.30							
10.30-10.45							
10.45-11.00							
11.00-11.15							
11.15-11.30				Break	Break		
11.30-11.45		Lecture 2 Power Plant Technologies, Renewable Energy Resources	Lecture 6 Energy Economics	Lecture 7 Environmental Protection	Work on the Task	Site Visit Building service system of the Budapest Palace of Arts Lights of Budapest	Presentations
11.45-12.00							
12.00-12.15							
12.15-12.30							
12.30-12.45							
12.45-13.00							
13.00-13.15							
13.15-13.30							
13.30-13.45							
13.45-14.00							
14.00-14.15	Break	Break	Break	Break	Break		
14.15-14.30	Lecture 3 Power Grid, Energy Supply and Demand, Transmission Network	Lecture 4 Energy Storage	Work on the Task	Work on the Task	Gala dinner	Closing ceremony	
14.30-14.45							
14.45-15.00							
15.00-15.15							
15.15-15.30							
15.30-15.45							
15.45-16.00							
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18.30-18.45							
18.45-19.00							
19.00-19.15							
19.15-19.30							
19.30-19.45							
19.45-20:00							
	Welcome Ceremony	Social event	Social event				



Content

Power Grid – Plant Your Power Plants

Lectures

- **Energy production:** Conventional power plants, nuclear power plants, and utilization of renewable energy resources
- **The structure of the power system:** *Energy supply and demand in the power system, structure of the transmission network*
- **Energy storage in the power system:** Different energy storage technologies concerning technical and economic parameters
- **Energy economics:** Economic evaluation methods based on different power plant technologies
- **Environmental concerns:** Besides the technological and economic aspects of different power plant technologies environmental evaluation based on the concerns of harmful emissions are also inevitable.

Task

- The main task of the summer academy is to plan the basics of a fictional country's sustainable electric power system, to establish a reliable power grid with different kinds of power plants, in accordance with the country's geology, industrial and residential consumers' demands as well as with the environmental and economic considerations for the available power plants.

We reserve the right to change or reschedule the program.

SAE – Summer Academy on Energy Organizing Committee