



Sveučilište
u Splitu
University
of Split

INTERNATIONAL SPLIT SUMMER SCHOOL 2025

COURSE: EXPERIENCE THE RENEWABLES

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Main topics

- utilisation of renewable sources of energy
- solar energy, wind energy and outdoor air as an energy source
- energy conversion and efficiency
- different technologies such as: flat plate solar thermal collector, solar dish (CSP), photovoltaic solar collector (monocrystalline, polycrystalline), solar fixed system, solar tracker system, outdoor wind turbine (500 W), indoor wind tunnel with wind turbine (80 W), air-to-air heat pump, air-to-water heat pump

Programme structure

- 5-day course
- theoretical introduction to the main topics
- practical work, measurements and analysis of results

Important dates

Course dates: 01 - 05/09/2025

Deadline for application: 07/07/2025

Payment due by: 14/07/2025

Confirmation of the course: 21/07/2025

Price of the course: 400 €

Program plan

Day 1

- Conversion of solar energy into heat and electricity
- Solar thermal systems

Day 2

- Conversion of solar energy into heat and electricity
- Solar thermal and photovoltaic systems

Day 3

- Conversion of solar energy into heat and electricity
- Solar photovoltaic systems

Lectures

Theoretical work (2 hours)
Practical work (4 hours)

Theoretical work (1 hour)
Practical work (5 hours)

Theoretical work (1 hour)
Practical work (5 hours)

Day 4

- Conversion of wind energy into electricity
- Wind turbines operating parameters

Theoretical work (2 hours)

Practical work (4 hours)

Day 5

- Working principle of an air source heat pumps
- The operating parameters of air-to-air and air-to-water heat pumps

Theoretical work (1 hour)

Practical work (5 hours)