

3
ECTS CREDITS

BLENDED INTENSIVE PROGRAMME

Integrated ENERGY SYSTEMS

6 - 30 May 2024

Online

24 - 28 June 2024

Santander

SPAIN



CHALLENGES FOR A SUSTAINABLE WORLD - SUMMER SCHOOL

Multidisciplinary approach | Lectures | Team work | Cultural activities

APPLICATIONS

By 21 March

ADMISSIONS

10 April

ENROLMENT

10 - 25 April

COURSE

6 May - 28 June

PRE-REQUISITES

- EUNICE student (PhD, Master or last year of Bachelor)
- Specialised in any engineering related to the topics
- English B2

HOW TO APPLY & ENROL

- Incoming students: contact your International Relations Office (application and [Erasmus+ funding](#)).
- UC students: apply and register through UC Virtual Campus. 11-25 April 2024.

INTEGRATED ENERGY SYSTEMS
Challenges for a Sustainable World

SUMMER SCHOOL
PROGRAMME

DIRECTOR Mario Mañana, University of Cantabria - **SECRETARY** Gema Pérez, University of Cantabria

Online part: **Moodle platform** | On-site part: **Magdalena Palace (Santander)**

Module 1 OPTIMAL OPERATION AND SIZING OF RENEWABLE ENERGY COMMUNITIES	•	Prof. Zacharie De Grève University of Mons
Module 2 ADEQUACY STUDIES IN MODERN POWER SYSTEMS	•	Prof. François Vallée University of Mons
Module 3 ZERO EMISSION DATA CENTRES FOR SUSTAINABLE AI	•	Prof. Petri Välisuo University of Vaasa
Module 4 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN POWER ELECTRONICS AND POWER SYSTEMS	•	Prof. Petri Välisuo University of Vaasa
Module 5 GRID-INTEGRATION OF RENEWABLE ENERGIES	•	Profs. Raquel Martínez and Pablo B. Castro University of Cantabria
Module 6 POWER QUALITY IMPACT OF RENEWABLES IN POWER SYSTEMS	•	Profs. Mario Mañana and Alberto Laso University of Cantabria
Module 7 ALTERNATIVE FUELS	•	Prof. Rafał Ślęfarski Poznan University of Technology
Module 8 GREEN GRASS TECHNOLOGIES IN INTEGRATED ENERGY SYSTEMS	•	Prof. Paweł Czyżewski Poznan University of Technology
Module 9 RECYCLING MATERIALS FROM ENERGY SYSTEMS	•	Prof. El Hadj Dogheche Université Polytechnique Hauts-de-France
Module 10 MATERIALS, PROCESSES AND PERFORMANCES	•	Prof. Marie Lasgorceix Université Polytechnique Hauts-de-France

