

## Agenda

PHAETHON Training School  
Summer 2026



Funded by  
the European Union

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Republic of Cyprus

This project is funded by the Government of the Republic of  
Cyprus.

## Agenda

### PHAETHON Summer Training School 2026

**Date:** 04-08/05/2026

**Location:** University of Cyprus (New University Campus)  
1 University Avenue, 2109 Aglantzia, Nicosia

**Duration:** 20 hours

**Attendance:** Physical and Virtual (online)

Weblink: [Online event access link](#)

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## Day 1

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### Monday 04/05/2026

09:00 - 13:00 (4 hours)  
University of Cyprus (New University Campus)  
Room LRC019, Stelios Ioannou Learning Resource Centre -  
Library

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- 08:45 - 09:00** **Welcome and Opening Remarks**
- 09:00 - 09:45** **Keynote Session**
- 09:00 - 09:45** **Keynote Speech: Digitilised solar and battery systems**  
Prof. George Georghiou PHAETHON CoE - UCY
- 09:45 - 10:00** **Coffee Break**
- 10:00 - 13:00** **Lecture Session - Advanced photovoltaic technologies and systems**
- 10:00 - 11:00** **New photovoltaic technologies, characteristics and specifications**  
Dr George Makrides, PHAETHON CoE - UCY
- 11:00 - 12:00** **Grid-connected and off-grid photovoltaic systems**  
Dr George Makrides, PHAETHON CoE - UCY
- 12:00 - 12:15** **Coffee Break**
- 12:15 - 13:00** **Networking Session**

**12:15 - 13:00 Networking**  
Participants & staff introductions and discussions

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## Day 2

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### **Tuesday 05/05/2026**

09:00 - 13:00 (4 hours)  
University of Cyprus (New University Campus)  
Room LRC019, Stelios Ioannou Learning Resource Centre -  
Library

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- 09:00 - 10:45 Keynote Session**
- 09:00 - 09:45 Keynote Speech: Research infrastructure development**  
Dr Henrik Bindner, Technical University of Denmark
- 09:45 - 10:00 Coffee Break**
- 10:00 - 12:00 Lecture Session - Green Hydrogen: Technology Fundamentals**
- 10:00 - 11:00 Green Hydrogen: Technology Fundamentals**  
Dr Alexandros C. Arsalis, PHAETHON CoE - UCY
- 11:00 - 12:00 Green Hydrogen: Technology Fundamentals**  
Dr Alexandros C. Arsalis, PHAETHON CoE - UCY
- 12:00 - 13:00 Workshop Session**
- 12:00 - 13:00 Research infrastructure Workshop**  
Dr Henrik Bindner, Technical University of Denmark

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## Day 3

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**Wednesday 06/05/2026**

09:00 - 14:00 (4 hours)

University of Cyprus (New University Campus)

Room ENG 10- 102, New Engineering School

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**09:00 - 10:45** **Keynote Session**

**09:00 - 09:45** **Keynote Speech: Why the return of DC in buildings as a hybrid solution is meaningful?**

Dr Venizelos Efthymiou, PHAETHON CoE - UCY

**09:45 - 10:00** **Coffee Break**

**10:00 - 12:00** **Lecture Session - Energy communities and smart energy buildings**

**10:00 - 11:00** **Energy communities and policy framework.**

Mr Marios Kalemis, University of Groningen

**11:00 - 12:00** **Smart Energy Buildings**

Mr Fanourios Kourougianni, PHAETHON CoE - UCY

**12:00 - 13:00** **Workshop Session**

**12:00 - 13:00** **Advanced monitoring of energy assets**

Demonstration of monitoring energy assets at microgrid.

Mr Panagiotis Herodotou / Mr. Paraskevas Kosta, PHAETHON CoE - UCY

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## Day 4

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### Thursday 07/05/2026

09:00 - 14:00 (4 hours)

University of Cyprus (New University Campus)

Room LRC019, Stelios Ioannou Learning Resource Centre -  
Library

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**09:00 -  
10:45** **Keynote Session**

**09:00 - 09:45** **Keynote Speech: Energy Transition - A supply chain perspective on a just energy transition**  
Prof Klaus Hubacek, University of Groningen

**09:45 -  
10:00** **Coffee Break**

**10:00 -  
12:00** **Lecture Session - Digitalized photovoltaic systems**

**10:00 - 11:00** **Fundamentals and benefits of digitalized PV systems**  
Dr Paris Kaimakis, PHAETHON CoE - UCY

**11:00 - 12:00** **Machine learning and AI for solar photovoltaic system application**  
Dr Paris Kaimakis, PHAETHON CoE - UCY

**12:00 -  
13:00** **Laboratory Visit**

**12:00 - 13:00** **Research Tools Demonstration**  
Hands-on: Demonstration of research tools developed by PHAETHON CoE to support the energy transition.  
Dr George Makrides, PHAETHON CoE - UCY

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## Day 5

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**Friday 08/05/2026**

09:00 - 14:00 (4 hours)

University of Cyprus (New University Campus)

Room ENG 10- 102, New Engineering School

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**09:00 - 10:45** **Keynote Session**

**09:00 - 09:45** **Keynote Speech: Public engagement and objection in energy transitions**

Prof Paul Upham, University of Groningen

**09:45 - 10:00** **Coffee Break**

**10:00 - 12:00** **Lecture Session - Hybrid solar-plus-storage systems**

**10:00 - 11:00** **Battery energy storage fundamentals**  
Dr George Makrides, PHAETHON CoE - UCY

**11:00 - 12:00** **Hybrid solar-plus-storage dimensioning and design**  
Dr George Makrides, PHAETHON CoE - UCY

**12:00 - 13:00** **Workshop Session**

**12:00 - 13:00** **Case Study - Design of hybrid solar-plus-storage residential system**

Practical exercise of designing a hybrid solar-plus-storage system using industrial sizing and simulation software.

Dr George Makrides, PHAETHON CoE - UCY