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Research and Innovation Center of Excellence

# CybPhys Meeting
# WP2: Students Training on Curricula Topics at the University of Cyprus

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# Presentation Outline

- Introduction to Task 2.2
- Training School at the University of Cyprus
- Training Courses and Hand-on Activities
- Advanced Technical Communication
- Agenda
- Cultural Immersion and Exploration
- Evaluation of Training School

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# T2.2 Teaching Staff Training on Curricula and Study Program Topics. Student Training on Study Program Topics

- **The aim** of this task is to train students across the participating Ukrainian academic institutions on curricula and study program topics at participating EU universities;
- **Training duration:** 2 weeks
- **Number of students** to be trained: 4 students x 3 UA HEI = 12
- **Student selection:** Student selection is based on their academic performance

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# Training School at UCY

- Initially scheduled between Feb.28 – March 11, 2022
- Postponed due to the invasion in Ukraine
- New date was set between Jan. 30 – Feb. 10, 2023
- Considering the challenges emerging from the war, the UCY team is prepared to offer the training school in:
  - A face-to-face format
  - A hybrid format
  - A fully online format

# Training Courses and Hands-on Training Activities

- A wide variety of courses will be offered to students by highly qualified teaching and research staff at UCY;
- Particular attention will be given to study program areas and beyond;
- Some of the courses include
  - Matlab for modeling and simulation of cyber physical systems
  - Experimentation and hands-on training with Water and Power Systems Testbeds Facility
  - Power system analysis using Power World Software
  - Microgrids and active power distribution grids to boost resilience of critical infrastructures

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# Advanced Technical Communication

- To guide participating students in building key competences across sectors, emphasis will also be give to advanced technical communication
- The aim is to boost employability for engineers by guiding them build effective communication skills


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# KIOS Testbeds


https://www.kios.ucy.ac.cy/power-systems-testbed/

# Agenda

Schedule of Event:

| Schedule | Activity | Instructor |
|---|---|---|
| **Sunday, January 29, 2023** | Arrival in Nicosia, Cyprus | Stella Hadjistassou |
| | | |
| **Monday, January 30**<br>**9:30-10:30am** | **Introduction to the Training Event** Registration, Healthcare Protocols (TBD), and Administrative Rules at the KIOS CoE and UCY Premises | Irina Ciornei/ Stella Hadjistassou |
| 10:30-11:00am | Coffee Break (TBD) | |
| **11:00-11:45am** | **Introduction to the Main Goals of the Student Training Event at UCY** | Irina Ciornei/ Stella Hadjistassou |
| **11:45am** | **Campus Tour** | UCY Staff |
| 12:30pm | Lunch Break (TBD) | |
| **14:00-16:00** | **Technical Communication and Technical Writing** | Dr. Stella Hadjistassou |
| | | |
| **Tuesday, January 31, 2022**<br>**9:00-11:00am** | **Hand-on Introduction to Matlab Sessions 1 & 2** | Dr. Stelios Vrachimis |
| **11:00am-12:30pm** | **Visit and Hands-on Demo at KIOS CoE's Water Systems Testbed Facility** | Dr. Stelios Vrachimis |
| 12:30pm | Lunch Break | |
| **14:00-16:00** | **Technical Communication and Technical Writing** | Dr. Stella Hadjistassou |
| | | |
| **Wednesday, February 1, 2023**<br>**9:00-12:30am** | **Power System Analysis Using Power World Software** | Dr. Panayiotis Demetriou |
| 12:30pm | Lunch Break | |
| **14:00-16:00** | **Learning Resource Center UCY Library "Stelios Ioannou" Tour** | UCY Library Associate |
| | | |
| **Thursday, February 2, 2023**<br>**9:00am-12:30pm** | **Microgrids and active power distribution grids: design, modeling and simulation using OpenDSS** | Dr. Irina Ciornei |
| 12:30pm | Lunch Break | |
| **14:00-16:00** | **Technical Communication and Technical Writing** | Dr. Stella Hadjistassou |
| | | |
| **Friday, February 3, 2023**<br>**9:00am-12:00pm** | **Walking Tour of Old Nicosia Center** | UCY Staff (Stella) |
| | | |
| **February 4-5, 2023** | Weekend<br>Free Time | |
| | | |
| **Monday, February 6, 2023** | **TBD (Ukrainian professors?)** | TBD |
| | | |
| **Tuesday, February 7, 2023**<br>**9:00am-12:30pm** | **Introduction to Power Electronics Session 1 & Hand-on Lab (TBC)**<br><br>**Project 2:** Objectives and Support, Assignment into Working Groups and Nomination of Presentation Leader for Each Group | Dr. Lenos Hadjidemetriou |
| 12:30pm | Lunch Break | |
| **14:00-16:00** | **Technical Communication and Technical Writing** | Dr. Stella Hadjistassou |
| | | |
| **Wednesday, February 8, 2023**<br>**9:00am-12:30pm** | **Introduction to Power Electronics Session 2 & Hand-on Lab (TBC)**<br><br>**Q&A Session for Project 2** | Dr. Lenos Hadjidemetriou |
| 12:30pm | Lunch Break | |
| **14:00-15:30** | **KIOS Power Lab Visit and Live Demos (TBC)** | Dr. Markos Asprou and Dr. Lenos Hadjidemetriou |
| | | |
| **Thursday, February 9, 2023**<br>**9:00-10:00am** | **Q&A Session for the Projects** | Dr. rina Ciornei |
| **10:00-12:30pm** | **Independent Team Work for Project 2** | Individual Work in the Lab |
| 12:30pm | Lunch Break | |
| **14:00-16:00** | **Independent Team Work for Project 2, Presentation Preparation** | Dr. Irina Ciornei |
| | | |
| **Friday, February 10, 2023**<br>**9:00am-12:00pm** | **Presentations of Projects' Results (Team Debates/Lessons Learned)**<br><br>Student Feedback on the UCY Student Training Event | Dr. Irina Ciornei |

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# Cultural Immersion & Exploration

## Visit to culturally important sites in Nicosia

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# Evaluation

- A questionnaire was devised to evaluate the training school
- MS forms
- It includes a series of questions on
  - The organization
  - Technical/pedagogical value of the school
  - Its value in building new knowledge in Cyber-Physical systems

https://forms.office.com/pages/designpagev2.aspx?origin=OfficeDotCom&lang=en-US&route=GroupForms&subpage=design&id=tObRjayNjkCNjWdT6YAFMGsFoXQkZGZBlErDiQ8Sw1NUMjIyNlk0OUVVQ1A4MVpVUVhGQVdIVUY1RSQlQCN0PWcu

# Any Comments and/or Suggestions?

# Thank you