

Energy Day

The Role of Battery Storage Systems in our Future Energy Mix

05 June 2019

FOSS, Research Centre for Sustainable Energy,
University of Cyprus, Nicosia

Cyprus' reliable sunshine makes it an ideal location for using Photovoltaics (PV) and thus making electricity generation and management of our own resources possible for everyone. In the near future, a considerable amount of intermittent solar generators will be connected in the electrical grid posing new challenges, in terms of secure and reliable grid operation. Therefore, it is crucial to boost PV self-consumption through optimal storage solution. The storage system allows the user to increase self-consumption from PV generation whilst controlling the amount of PV energy injected into the grid, thus not only avoiding grid congestion but also allowing for more PV installations. Citizens can turn into active prosumers, enabling the effective use of electricity grids, providing cost-effective options for a more affordable and sustainable energy supply. Empowering consumers to be active not only has a positive impact on the electricity network, but also our environment in general. We think big, start small, from residential, rural regions.

Join us for the 'Energy Day' to learn more about the latest developments in battery storage systems.

AGENDA

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| 17.00 – 17.15 | Registration and Welcome Coffee | |
| 17.15 – 17.30 | Introduction to PV + Energy Storage Systems (ESS)
Welcome note by the director of FOSS, and introduction to current PV+ESS application. | Prof G.E.Georghiou |
| 17.30 – 18.00 | Different Configurations and System Implementation
Present the different topologies of PV+ESS, the implemented systems in Cyprus and preliminary results. | Mr N. Chatzigeorgiou |
| 18.00 – 18.30 | Demonstration of FOSS PV+ESS Pilot
Interactive. Participants will be shown how the PV+ESS pilot at PV Technology Lab works. | Mr N. Chatzigeorgiou /
Dr K. Panagiotou |
| 18.30 – 19.00 | Where is the PV+ESS heading to?
Discuss the future exploitation of residential PV+ESS. | Dr K. Panagiotou |
| 19.00 – 19.15 | Closing Remarks | Prof G.E.Georghiou |

The event will take place at the Photovoltaic Park, University of Cyprus (see map attached) and is free and open to public. The event is limited to 20 places.

RSVP by 03 June 2019 via email: foss@ucy.ac.cy or telephone: 22-892211.

ΔΙΑΓΡΑΜΜΑ ΠΡΟΣΒΑΣΕΩΝ ΣΤΗΝ ΠΑΝΕΠΙΣΤΗΜΙΟΥΠΟΛΗ
ACCESS MAP TO THE UNIVERSITY CAMPUS

- ΥΠΟΜΗΝΙΑ ΚΤΗΡΙΩΝ ΠΑΝΕΠΙΣΤΗΜΙΟΥΠΟΛΗΣ
- 01 ΚΤΗΡΙΟ ΣΥΜΒ - ΣΥΓΚΛ ΑΝΑΚΤ Γ ΛΕΒΕΝΤΗΣ
 - 02 ΧΩΡΟΣ ΔΙΔΑΣΚΑΛΙΑΣ (ΧΩΔ 01)
 - 03 ΧΩΡΟΣ ΔΙΔΑΣΚΑΛΙΑΣ (ΧΩΔ 02)
 - 04 ΣΧΟΛΗ ΟΙΚΟΝΟΜΙΚΩΝ & ΕΡΕΥΝΗΤΙΚΩΝ (ΟΕΕ 01)
 - 05 ΣΧΟΛΗ ΟΙΚΟΝΟΜΙΚΩΝ & ΕΡΕΥΝΗΤΙΚΩΝ (ΟΕΕ 02)
 - 06 ΣΧΟΛΗ ΔΙΔΑΣΚΑΛΙΑΣ (ΧΩΔ 02)
 - 07 ΣΧΟΛΗ ΟΙΚΟΝΟΜΙΚΩΝ & ΔΙΟΙΚΗΣΗΣ (ΟΕΔΑ 01)
 - 08 ΣΧΟΛΗ ΟΙΚΟΝΟΜΙΚΩΝ & ΔΙΟΙΚΗΣΗΣ (ΟΕΔΑ 01)
 - 09 ΚΟΙΝΩΝΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ
 - 10 ΑΙΘΡΟΣ ΑΘΛΟΠΛΑΙΩΝ (ΑΘΑ 01)
 - 11 ΚΤΗΡΙΑ ΛΕΙΤΟΥΡΓΙΚΗΣ ΥΠΟΣΤΗΡΙΞΗΣ (ΚΛΥ)
 - 12 ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΚΕΝΤΡΙΚΟ (ΕΚΚ)
 - 13 ΣΥΝΔΕΙΧΜΑΤΑ ΤΡΑΦΕΙΑ ΠΑΝ/ΜΗΣ (ΣΤΠ)
 - 14 ΦΟΙΤΗΤΙΚΗ ΕΣΤΙΑ ΘΑΛΗ 1Α (ΘΕΑ)
 - 21 ΧΩΡΟΣ ΣΤΑΘΜΕΥΣΗΣ (ΧΣΤ 02)
 - 22 ΧΩΡΟΣ ΣΤΑΘΜΕΥΣΗΣ (ΧΣΤ 03)
 - 23 ΧΩΡΟΣ ΣΤΑΘΜΕΥΣΗΣ (ΧΣΤ 05)
 - 24 ΧΩΡΟΣ ΣΤΑΘΜΕΥΣΗΣ (ΧΣΤ 07)
 - 25 ΧΩΡΟΣ ΣΤΑΘΜΕΥΣΗΣ (ΧΣΤ 08)
 - 26 ΧΩΡΟΣ ΣΤΑΘΜΕΥΣΗΣ (ΧΣΤ 09)
- UNIVERSITY BUILDINGS
- 01 UNIVERSITY HOUSE - Avastissee G. Leventis
 - 02 COMMON TEACHING FACILITIES (CTF 01)
 - 03 COMMON TEACHING FACILITIES (CTF 02)
 - 04 FACULTY OF PURE & APPLIED SCIENCES (FST 01)
 - 05 FACULTY OF PURE & APPLIED SCIENCES (FST 02)
 - 06 COMMON TEACHING FACILITIES (CTF 02)
 - 07 FACULTY OF ECONOMICS & MANAGEMENT (FEB 01)
 - 08 FACULTY OF ECONOMICS & MANAGEMENT (FEB 02)
 - 09 SOCIAL FACILITIES
 - 10 INDOOR SPORTS HALL (ISPF 01)
 - 11 SERVICES BUILDINGS (SBD)
 - 12 ENERGY CENTRE (EKC)
 - 13 OPERATIONAL CENTRE (OC)
 - 14 CAMPUS SUPPLEMENTARY OFFICES (CSO)
 - 15 RESIDENTIAL A (RSA)
 - 21 PARKING AREA (PRK 02)
 - 22 PARKING AREA (PRK 03)
 - 23 PARKING AREA (PRK 05)
 - 24 PARKING AREA (PRK 07)
 - 25 PARKING AREA (PRK 08)
 - 26 PARKING AREA (PRK 09)

