



Modernising Undergraduate Renewable Energy Education: EU Experience for Jordan MUREE

TEMPUS project number 530332-TEMPUS-1-2012-1-JO-TEMPUS-JPCR

University of Cyprus Nicosia, Cyprus 13-15 January 2014 Academic Visit Agenda

- Dr George Georghiou, University of Cyprus
- Dr. Ayman Al-Maaitah, Mutah University
- Dr. Ahmed Al-Salaymeh, UoJ
- Dr. Ayman Faza, PSUT
- Dr. Mahmoud Hammad, PSUT
- Dr. Qais Khasawneh, JUST
- Dr. Mohammad Al-Abed, Hashemite University
- Dr. George Georghiou, University of Cyprus
- Dr. George Makrides, University of Cyprus
- Mr Alexander Phinikarides, University of Cyprus
- Mr Minas Patsalides, University of Cyprus
- Mr Marios Tomazou, University of Cyprus
- Mr Michalis Papastaurou, University of Cyprus
- Mrs Nitsa Kindini, University of Cyprus
- Mrs Vaso paraskeua, University of Cyprus
- Mrs Despio Demetroudi, University of Cyprus
- Mr Yiannis Koumparou, University of Cyprus

January 13, 2014

09:00 - 11:00	Reception of the participants – Dr. George Georghiou Onsite tour - PV Technology Laboratory
	• Guided tour of outdoor and indoor facility.
	Outdoor test facility and Indoor facility - George Makrides:
	 Outdoor PV system test facility - Alexander Phinikarides
	 Power Quality measurements - Minas Patsalides
	PID facility and description - Nitsa Kindini
11:00 – 11:30	Coffee Break
11:30 – 13:00	Onsite tour - PV Technology Laboratory • Indoor PV cell laboratory - Vaso Paraskeva





	 Experimental desalination unit - Marios Tomazou Net-metering units - Yiannos Koumparou
13:00 – 15:00	Lunch
15:00 – 17:00	Presentation/Discussion Session – Jordanian partners • Need analysis • Existing situation • Format of program of study
January 14, 2014	
09:00 - 11:00	 Overview of Teaching activities of PV Technology Laboratory: Performance assessment evaluation of different photovoltaic technologies - Dr George Makrides. Reliable assessment of degradation for different photovoltaic technologies - Mr Alexander Phinikarides Power quality assessment - Mr Minas Patsalides. Potential induced degradation assessment of photovoltaic modules - Mrs Nitsa Kindini Characterisation of cell technologies - Mrs Vaso Paraskeya PV net-metering - Mr Yiannos Koumparou
11:00 - 11:30	Coffee Break
11:30 – 13:00	Course: Renewable Energy Sources: Photovoltaics Outline, Syllabus, Curriculum, Lecture notes, slides, Example sheets and Projects - Dr George Georghiou/George Makrides New Course: Advanced Solar Technologies Outline, Syllabus, Curriculum - Dr George Georghiou/George Makrides
13:00 – 15:00	Lunch
15:00 – 17:00	 General Discussion New concepts of PV technology Initial discussion: Potential PV technology course in Jordan
January 15, 2014	
09:00 - 11:00	Course: Renewable Energy Sources: Photovoltaics Detailed Theoretical Part - Dr George Georghiou/George Makrides • Chapter 1 • Chapter 2 • Chapter 3 • Chapter 4





11:30 - 13:00	Course: Renewable Energy Sources: Photovoltaics
	Detailed Theoretical Part - Dr George Georghiou/George Makrides
	• Chapter 5
	• Chapter 6
	• Chapter 7
	Example Sheets / Project
13:00 – 15:00	Lunch
15:00 – 17:00	Sightseeing
January 16, 2014	
09:00 - 11:00	Course: Renewable Energy Sources: Photovoltaics Detailed Practical Part
	• Laboratory experiment: Design of a grid-connected PV system – Minas Patsalides
	• Laboratory experiment: PV system monitoring system – Michalis Papastavrou
	• Laboratory experiment: Indoor characterisation of PV cells – Minas Patsalides
11:00 - 11:30	Coffee Break
11:30 – 13:00	Course: Renewable Energy Sources: Photovoltaics Detailed Practical Part
	• Laboratory experiment: Installation of a grid connected PV system – Marios Tomazou
	• Laboratory experiment: Indoor characterisation of PV modules – Alexander Phinikarides
13:00 – 15:00	Lunch
15:00 – 17:00	General Discussion
January 17, 2014	
09:00 - 11:00	Overview of equipment:
	• Equipment necessary for the courses and research on photovoltaic
	technologies – Dr. George Makrides
	Review of PV courses worldwide – Dr. George Makrides
11:00 - 11:30	Coffee Break
11:30 – 13:00	General Discussion Closing remarks
13:00 – 15:00	Lunch



