Written by Frank Fiedler Tuesday, 27 December 2011 21:00 - Last Updated Monday, 06 August 2012 09:51

Also during Autumn 2011 a number of guest lectures of experts in various fields of solar energy have taken place.

In September Prof Thomas Walter gave the student <u>insight</u> in the latest developments within thin film photovolataics. Thomas Walter is Professor at the University of Applied Science Ulm/Germany. Among others he is leading a research group with focus on degradation and long term stability tests for CIS solar cells.

Thomas Walter lectured already the second time at ESES as part of the Erasmus teacher exchange between ESES and Ulm.

Also this year Dr. Elieser Tarigan, who graduated from ESES 2002/2003, was giving guest lectures for ESES. The lectures are part of the Linaeus Palme Programme financed teacher exchange between ESES and his school, the University Surabaya/Indonesia. Beside his lectures he also took care of the newly developed solar thermal lab and the solar cooking lab. It was his third visit after 2008 and 2010. In change Frank was teaching in Surabaya for three weeks during May 2011. Another teaching period of ESES in Surabaya is planned for spring 2012.

In November Dr. Werner Platzer from the Fraunhofer Institute ISE in Freiburg Germany was lecturing the second time on Concentrating Solar Power (CSP). This year the lecture was organized at Uppsala University and combined with a study tour at the Ångström Laboratories and the company Solibro.

Two more guest lectures of former ESES students took place during Autumn 2011. Ard Vloosvik

(ESES 2002/2003) and Bakhram Gaynullin (ESES 2008/2009) used the opportunity to give the current ESES students some background information from their work.

After his studies at ESES Ard continued for a PhD in the Netherlands and is now orking for the Dutch company <u>Tempress Systems </u> . Ard was <u>teaching</u> on the industrial processes for solar cell production.

Bakhram did his Master thesis with the Swedish company <u>Absolicon</u> in Härnosand. Bakhram developed a measurement system for the evaluation of optical properties of a concentrating solar collector where he used Labview as a powerful tool. In his ESES guest lecture Bakhram gave an introduction to Labview and demonstrated the use of Labview to perform the PV lab 1.

The last guest lectures before Christmas were given by Prof Peter Adelmann from the University of Applied Science Ulm/Germany. Peter is one the world's most experienced experts on rural electrification with PV. He has been largely involved in the foundation and raising of the two market leaders in solar electronics for off-grid systems. Among other his works currently as

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a consultant for ADB, the World Bank and the UN. His <u>lectures</u> were focusing on batteries and charge controlles in PV Systems. During his stay we visited also the Swedish International Development Cooperation Agency (SIDA) in Stockholm to discuss the Swedish participation in a new global project for rural electrification. Below a photo of Peter Adelmann in discussion with the ESES students Emmanouil Psimopoulos.

