

Location of the Workshop:

Physics Laboratory I, Seminary Building, Room 214.

Department of Physics and Process Control

Szent István University

Gödöllő, Páter K. u. 1. H-2100 Hungary



———— Szent István University Gödöllő ————

Department of Physics and Process Control

22th WORKSHOP ON

ENERGY AND ENVIRONMENT

PROGRAM

December 1-2, 2016

Gödöllő, Hungary

22th WORKSHOP ON ENERGY AND ENVIRONMENT

December 1-2, 2016, Gödöllő, Hungary

Program

December 1 (Thursday)

14.30-17.00 Registration
Visiting the Department of Physics and Process Control
Visiting the solar installations

10.50-11.10 COFEE BREAK

Session 2

Chairman: Dr. Cs. Mészáros

11.10-11.20 Cs. Mészáros, Á. Bálint: Symmetry analysis of collective elementary excitations in Chain-type organic molecules relevant for solar elements

11.20-11.30 Gy. Ruda: Saving energy and environment in building practice

11.30-11.40 J. Tóth, I. Farkas: Design plan of a block oriented modelling environment for solar energy applications

11.40-11.50 I.R. Nikolényi: Symmetry based study of solar cell materials

11.50-12.00 W.M.A. Elmagid, T.A. Mekhail, W.A. Abdel-Fadeel: Design and testing of a small turbine blade at low speed wind

12.00-12.10 A.F. Elbarghthi, J. Buzás: Construction of double pass air flow solar collector for active space heating

12.10-12.20 J.P. Fejes: Computer simulaton of storage tank filling with liquid propane

12.20-12.30 Z. Kapros: Forecasting methodology for small-scale photovoltaic power systems

12.30-12.40 S. Bartha, L.C. Duarte, F. Carvaheiro, B. Vajda, N. Antal: Energy willow a new feedstock in bienergy production and biorefinery

12.40-12.50 D. Rusirawan, M. Haekal, F. Hidayat, M. Pramuda N.S., M. Alexin P., L. Hartawan, I. Farkas: Realization of 1000 Wp photovoltaic power plant

12.50-13.00 CLOSING

December 2 (Friday)

09.00-09.10 Opening the Workshop by:
Prof. I. Farkas Director of Institute
Institute for Environmental Engineering Systems
Szent István University, Gödöllő, Hungary
Prof. L. Kátai Dean of Faculty
Faculty of Mechanical Engineering
Szent István University, Gödöllő, Hungary

Session 1

Chairman: Dr. I. Seres

09.10-09.20 I. Farkas: Solart thermal energy use worldwide

09.20-09.30 A Szilágyi, I. Seres: Possibility of solar cooling

09.30-09.40 Z. Dodog: Estimating of near-surface earth temperature

09.40-09.50 M. Al-Neama, I. Farkas: Design characteristics of solar air collectors with different absorbers plates

09.50-10.00 B. Bagi, P. Víg: Effect of contamination on performance of PV panels

10.00-10.10 Á.I. Soltész, P. Víg: Thermal energy from compost-based bioenergy system

10.10-10.20 Á. Bijl, I. Seres: Artificial solar radiation

10.20-10.30 A. Lammamra: Experimental study between two solar collectors of planar and curvilinear geometry

10.30-10.40 I. Fekete, I. Farkas: Building enclosure elements integrated solar collectors

10.40-10.50 H. Zsiborács, P. Weihs, H. Trimmel, S. Oswald, B. Pályi: A thermal model for monocrystalline solar modules