

6th International Workshop on Microsystems

Alexander Campus, International Hellenic University, 15 December 2021



The poster is orange and white. At the top left, it says "Dep. Industrial Engineering and Management, International Hellenic University". At the top right, there is a logo for "INTERNATIONAL HELLENIC UNIVERSITY". The main title "6th International Workshop on Microsystems" is in large bold letters. Below it, in pink, is "Alexander Sindos Campus, International Hellenic University" and "15 December 2021". A photograph of a computer keyboard is visible in the background. A list of topics includes: Energy microsystems, Sensors and sensor electronics, Embedded systems, Integrated Circuits and Systems, Industrial automation and control, Microelectronics and nanoelectronics, Micro-electro-mechanical systems, and Computing for Microsystems. The conference website is listed as www.microengineering.teithe.gr/WoMGREECE2021. Registration information, abstract submission guidelines, and a preliminary programme are also provided.

Preliminary Programme

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08:45-09:00: Registration

Please check-in or register at the front desk.

09:00-09:15: Welcome and introduction

09:15-10:45: First Oral Session (Session Chair: Dr. D. Triantafyllidis, IHU)

09:15 – 10:00: Nanoparticle based sensors. *Prof. Dimitris Tsoukalas, Dept. of Physics, National Technical University of Athens* 21WOM-01 (keynote, invited).

10:00: Design and Construction of an Automated Milling Machine for producing PCBs. *M. Mytilinaios and D. Triantafyllidis*, 21WOM-02.

10:15: A python software tool for 2D and 3D image processing, *A. Boukogiannis and D. Bechtis*, 21WOM-03.

10:30: Design Framework of a Decision Support System used in a Canning Industry, *G. Kokkas, A. Styliadis-Heinz, F. Stergiopoulos and D. Bechtis*, 21WOM-04.

10:45-11:15: Coffee Break and Poster Session

Fabrication and Development of an Optical Biomedical Sensor, *A. Bantis, M. Michailidou, E. Gkagkanis, K. Karakostas and M. E. Kiziroglou*, 21WOM-05.

11:15-12:00: Second Oral Session (Session Chair: Dr. D. Triantafyllidis, IHU)

11:15: A Novel Approach on Fault Detection of Analog and Mixed Signal Circuits by monitoring the fluctuation of the Supply Current, *V. D. Vassios, A.T. Hatzopoulos and D. K. Papakostas*, 21WOM-06.

11:30: Rectification and boosting circuit for acoustic power transfer, *V. Fountas, D. Makarikas, M. E. Kiziroglou, K. Karakostas and A. Chatzopoulos*, 21WOM-07.

11:45: Automation of a Washing Machine: An Open-Source Approach, *K. Kostopoulos and D. Triantafyllidis*, 21WOM-08.

12:00-12:15: Best Paper Award by Ioannidis Electronics. Concluding remarks.