# 6th International Workshop on Microsystems

Alexander Campus, International Hellenic University, 15 December 2021



# 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. Bechtsis,* 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. Bechtsis,* 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.**