

SPRING 2021

Friday, April 9, 12:00**Emmanuel Zervakis*****Challenges of Developing MEMS
Sensors as Part of an IoT Application***

During the presentation, a typical Internet of Things application will be presented. Then, the presentation will focus on the description of a typical edge device as part of the overall architecture. Developing an edge device includes development of the sensor head, the processing unit, the wireless module and the power module. The challenges faced by the engineer while developing the edge device will be presented and especially the sensor head. A typical IoT application will then presented.

Watch live: <https://youtu.be/8eI-a07RcCg>



Emmanuel Zervakis (Athens, Greece, 1975) received the Bachelor in Physics (1997) and the Master degree in Microelectronics (1999) from the University of Patras and the PhD degree (2004) from the National Technical University of Athens. During his PhD, he designed signal conditioning electronics for solid state detectors for High Energy Physics Experiments. He worked in THETA Microelectronics as a Junior integrated circuits designer (2001-2004). He then joined THEON Sensors as a Senior Electrical Engineer in the MEMS department (2005) and became Electronics Development Manager (2008). He participated either as Project Manager or Technical Leader to various ESA, FP7 and National Funded projects that were successfully implemented. In 2010 he became Director of the MEMS Business Unit of THEON Sensors S.A. Since 2013, Dr. Em. Zervakis is the Chief Operating Officer of European Sensor Systems S.A., a high-tech company developing sensors systems based on MEMS technologies targeting medical, industrial and aerospace applications. Since 2012, he is BoD member of the Hellenic Association of Space Industry (HASI) and since 2016 he is the President of the Hellenic Emerging Technologies Industry Association (HETIA).