

Deleverable 7.2 - Workshop Day 2014 – Thessaloniki

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The MOCAS Workshop (Workshop on Modern Circuits and Systems Technologies) is organised yearly at the Aristotle University of Thessaloniki by the Electronics Division of the Physics Department. It is a scientific workshop in the area of ICT and it is an opportunity for scientist from Greece and Europe to gather together and present their research to the public. This year the 3rd MOCAS Workshop was organized on March 14-15. In this Workshop a session was dedicated to the FTK-IAPP project and also the first plenary speech was dedicated to high performance embedded systems for HEP using FTK as a working example (by Dr. Paola Giannetti from INFN, Pisa Section).

A representative from almost all FTK IAPP partners made a presentation in the Fast Tracker (FTK) IAPP Session: Dr. F. Crescioli from CNRS, Mr. D. Magalotti who is a Pisa collaborator, Ms. C.-L. Sotiropoulou from AUTH, Mr. A. Iovene from CAEN and Mr. P. Soukoulis from Prisma Electronics. The program of the session is presented in the table below:

Plenary Talk:
Dr. Paola Giannetti – Director of Research, INFN Pisa Section, Italy <i>“High Performance Embedded Systems for High Energy Physics Experiments at Hadron Colliders”</i>
Coffee Break
Fast Tracker (FTK) IAPP Session
Dr. Francesco Crescioli – Researcher, LPNHE CNRS, France <i>“Associative Memories for Hadron Collider experiments: the FTK AMchip experience”</i>
Daniel Magalotti – Researcher, INFN Perugia Section and University of Modena and Reggio Emilia, Italy <i>“The Associative Memory Board for the Fast Tracker (FTK) processor at ATLAS”</i>
Calliope-Louisa Sotiropoulou – Researcher, Aristotle University of Thessaloniki, Greece <i>“A High Performance Parallel FPGA Implementation of a 2D-Clustering Algorithm for the ATLAS Fast Tracker (FTK) Processor”</i>
Alessandro Iovene – Project Manager, CAEN SpA, Italy <i>“CAEN - Electronic Instrumentation for Nuclear Physics: R&D activities and innovative projects”</i>
Petros Soukoulis – Head of the Scientific/Advisory Board and co-Founder, Prisma Electronics, Greece <i>“Prisma Electronics – Electronics, Production Methods & Practices”</i>

The workshop was very well published in various social media (facebook, twitter, linkedin), webpages about events in the city of Thessaloniki, the AUTH events website etc. Posters were distributed across the campus at least a month before the Workshop (see the poster in Fig. 1).



Organizing committee:

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To register please send
name, occupation and
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<http://ftk-iapp.physics.auth/MOCAST>

Sponsored by:



FP7 Marie Curie Project FTK-IAPP and Greek Cooperation Project NANOTRIM organize the third scientific workshop in the area of ICT. The workshop focuses on emerging technologies in:

- High Performance Embedded Systems
- Device and Circuit Modeling
- Digital Circuits and Systems Design
- Systems and Applications

Keynote speakers:

Dr. Paola Giannetti
Director of Research, Istituto Nazionale di Fisica Nucleare (INFN), Pisa Section, Italy
on "High Performance Embedded Systems for High Energy Physics Experiments"

Dr. Sotiris Bantas
Vice President and CTO, Helic Inc., Athens, Greece
on "Building Chips for Better Apps: Silicon Design Technology Trends for Mobile and the Cloud"

Professors, researchers and companies from Europe and Greece will participate presenting their research activities.

The workshop will be held on Friday the 14th and Saturday the 15th of March at the Aristotle University Dissemination Center (KEΔEA), lecture hall 1. Opening at 9.00 a.m.

Registration to the workshop is free of charge for all participants. Registered participants will receive a certificate of attendance.

Figure 1: 3rd Mocast Workshop Poster

The Workshop proved to be very successful with **300 registered participants** and a full conference hall (with people even standing) during the FTK Session. The participants were

undergraduate students, post-graduate students, researchers, professors and professionals from Aristotle University of Thessaloniki (Departments of Physics, Electronics Engineering, Informatics etc.) the Electronics Department of ATEI Thessaloniki and also from companies and universities from all over Greece.

The whole workshop program and abstracts are available on <http://mocast.physics.auth.gr/>. Also there is a video from both workshop days available on the workshop website.

All participants received a Certificate of Attendance for their participation in the Workshop.

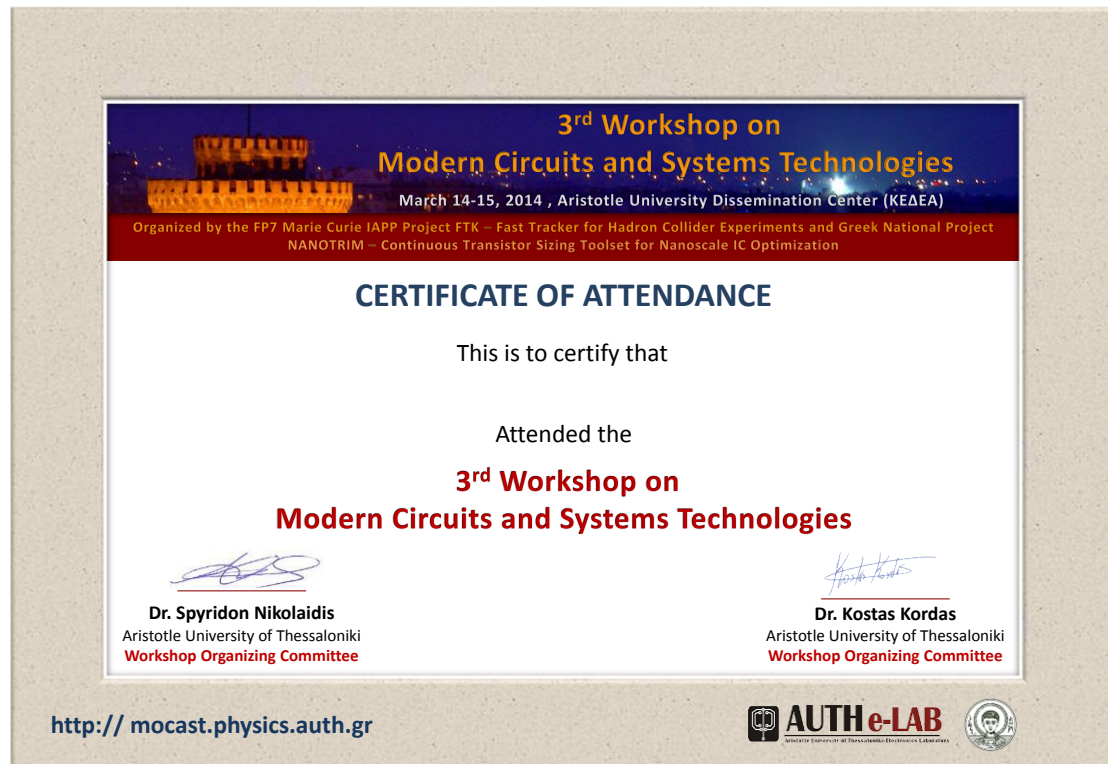


Figure 2: MOCASr Certificate of Attendance



Figure 3: Dr. Gianneti Plenary talk



Figure 4: Mr. Iovene talk in the FTK Session