Brief Curriculum Vitae

Full Name: Ioannis PAPADOPOULOS

Position: Assistant Professor of the Physics Department of the University of Ioannina

Titles: Diploma in Physics (Aristotle University of Thessaloniki, 1993)
PhD in Physics (Aristotle University of Thessaloniki, 1999)

Research Group:

Member of the CMS Collaboration at CERN.

Specialization:

Experimental High Energy Physics (particle detectors development, data acquisition systems development, experiments using particle beams, Monte Carlo simulations, physics analysis of real and simulated data from HEP experiments, HEP GRID computing).

Research activities:

Deployment, configuration, operation and administration of the Tier-2 WLCG GRID site GR-07-UOI-HEPLAB (T2_GR_Ioannina CMS site) which is installed at the HEP Laboratory of the University of Ioannina, whose resources are exclusively used for the CMS experiment.

Responsible for the Online Software of the BMTF (Barrel Muon Track Finder) subsystem of the Level-1 Trigger of the CMS experiment. Participation to the Barrel Muon Trigger upgrades.

Participation to the Standard Model Physics data analysis of CMS.

Participation to the Level-1 Trigger offline shifts of the CMS experiment.

Experience in New Technologies:

Development, installation, commissioning and administration of a Tier-2 WLCG GRID site for the analysis of HEP experiments data. Development of websites with dynamic content (using CGI, PHP, etc.) for the monitoring of information systems used for the analysis of HEP experiments data.

Recent publications:

"Development and testing of a Trigger Processor Card based on a Kintex Ultrascale FPGA", presented at the Topical Workshop on Electronics for Particle Physics (TWEPP) 2018, Antwerpen, Belgium, 17–21 Sep. 2018 https://indico.cern.ch/event/697988/contributions/3056078/

"Upgrade of the CMS muon trigger system in the barrel region", CMS-CR-2016-260, 38th International Conference on High Energy Physics, Chicago, IL, USA, 03 - 10 Aug 2016, https://cds.cern.ch/record/2233026

"The CMS Level-1 Trigger Barrel Track Finder", CMS-CR-2015-304, Topical Workshop on Electronics for Particle Physics, Lisbon, Portugal, 28 Sep - 2 Oct 2015, pp.C03038, https://cds.cern.ch/record/21028858/1/2018