

Ioannis EVANGELOU

Year and Place of birth: 1956, Ioannina, GREECE
Marital Status: Married with two children

Education:

1. Diploma in Physics (1979)
University of Ioannina, Physics Dept.
2. Ph.D. in Experimental High Energy Physics (1989)
University of Ioannina, Physics Dept.

Current Employment: Associate Professor (**2007-today**)
University of Ioannina, Physics Dept.
45110 IOANNINA, GREECE

Previous Positions:

- **1980-1990:** Research Associate, University of Ioannina, Physics Dept.
- **1980-1985** Unpaid Associate, CERN-EP, Geneva, SWITZERLAND
- **1985-1987:** Military Service (28 months) in Greece. Second Lieutenant
- **1988:** Scientific Visitor at Fysikum, Univ. of Stockholm, SWEDEN
- **1990-1995:** Lecturer, University of Ioannina, Physics Dept.
- **1990-1993:** Unpaid Associate, CERN-EP, Geneva, SWITZERLAND
- **1993** (6 months): Corresponding Fellow, CERN-EP, Geneva, SWITZERLAND
- **1993-2004:** Unpaid Associate, CERN-EP, Geneva, SWITZERLAND
- **1995-2007:** Assistant Professor, Univ. of Ioannina, Physics Dept.
- **2004** (6 months): Corresponding Associate, CERN-PPE, Geneva, SWITZERLAND
- **2013** (2 months): Corresponding Associate, CERN-PPE, Geneva, SWITZERLAND
- **2004-today:** Unpaid Associate, CERN

RESEARCH AND TECHNOLOGY ACTIVITIES & EXPERIENCE

- VLSI design, CAD/CAE applications
- Real-time and off-line programming
- Participation in the EC funded projects: TELEMAT II (CAD/CAE applications), BIOMED II (BRSMS) and 6th Framework Programme (I-ImaS) for medical imaging systems based on silicon sensors
- Participations in the Greek GSRT funded projects: ΕΠΕΤ-II, ΕΚΒΑΝ-Π (#Π-79, ΑΣΤΗΛΔΥΠ), ΕΠΕΤ-II (#476, ΒΜΠ), ΕΠΕΤ-II and 98ΜΙΚ-02, 98ΜΙΚ-10, 98ΜΙΚ-25 for applications in detector systems and microelectronics, related to CERN activities
- Teaching of public seminars in graduate students courses for computer architecture, microcontrollers, microprocessors and microelectronics
- Teaching various physics courses and physics labs in the Physics Dept. of University of Ioannina
- Supervised a PhD student and five graduate students leading to MSc in the Graduate Student Program of Physics Department in University of Ioannina
- Participation in the **UA5** experiment at CERN (1980-1989), in the development and operation of the Large Streamer Chambers, in the trigger group and also in the off-line analysis of collected data for the Multiplicity and Rapidity distributions of p-pbar interactions with cm energy of 200-900GeV (PhD)
- Participation in **CLEAR** experiment at CERN (1990-1998), Data Taking, Monte Carlo productions and off-line analysis especially for the K^0 decay channel to 3-pions

- Participation in the **CMS** experiment from the very early days of the Letter of Intent (1991-today).
- Development of the code in GEANT 3.15 for the S/W reproduction of the tracker and the end-caps of the E/M calorimeter (ECAL) for the **CMS** experiment at CERN
 - ❖ Central tracking with micro strip gas chambers in CMS, with T. C. Meyer et al., **Nuclear Physics B32(1993)189-201**
- Simulations with electrons for the ECAL group of CMS:
 - ❖ CMS simulations for LHC, E/M Calorimeter Calibration with Electrons, I.Evangelou, **CMS TN/92-07 (1992)**
 - ❖ CMS Simulations for LHC, Electrons in Staging Scenarios, I.Evangelou, **CMS TN/93-86 (1993)**
- CMS Preshower in situ absolute calibration with physics events, Ioannis Evangelou, Published in **Nucl.Instr.&Methods A572(624–632)2007**
- Participation in shifts for **CMS** data taking at LHC, as ECAL-P5-Shifter and ECAL-PFG-Expert (Runs of 2010, 2012)
- Participation in shifts for **CMS** data taking at LHC, as L1T (Offline Trigger) Shifter for 2015 Runs
- Additionally, participation in the **CMS Preshower** with the following activities (as a member) of the Ioannina HEPLAB group:
 - ❖ Data taking of the test beam prototype runs, **CMS NOTE-2000/001**
 - ❖ Development of a VME-based readout system for Si Sensors, and pulsed-laser calibration system
 - ❖ Development of the ROB-ROH, Si Sensor readout system with the Δ Stream chip
 - ❖ Noise measurements of Si Sensors: **Nucl.Inst.&Methods A493(25-29)2002**
 - ❖ IV, CV characterization of Si Sensors (at CERN and Ioannina)
 - ❖ Bonding tests and bonding of Δ Stream chips on ROH
 - ❖ Thermal cycle tests to check damage of Si Sensors from bonding
 - ❖ Quality tests of Silicon Sensor Modules at CERN
- Participation in the **CMS** analysis group with the Ioannina HEPLAB group. "Search for New Physics in Multijet Final States at $\sqrt{s} = 8TeV$ ". **CMS AN-13-110.**
- Participation in the **DIRAC** experiment at CERN (2000-2007) with contribution to the data taking (Runs of 2001 and 2002) and offline analysis for Λ production

CONFERENCES and MEETINGS with presentation

- «9th ICATPP, Astroparticle, Particle, Space Physics, Detectors and Medical Physics Applications», Villa Olmo, Como (ITALY) 17-21 October 2005
- «International Workshop on recent developments in High Energy Physics», NCSR Demokritos, Athens, Greece (1984)
- «European Symposium on nucleon-antinucleon interactions, AntiProton '86», Thessaloniki, Greece (1986)
- «International Workshop on recent developments in High Energy Physics», Univ. of Ioannina, Greece (1991)
- «International Workshop on recent developments in High Energy Physics», Univ. of Athens, Greece (1994)
- «International Workshop on recent developments in High Energy Physics», Univ. of Ioannina, Greece (2000)
- International meeting on «CERN and the Technology Transfer in Greece», NCSR Demokritos, Athens, Greece (2004)

- «International Workshop on Recent Advances in Particle Physics and Cosmology», Univ. of Thessaloniki, Greece (2005)
- Presentations of current activities in several Collaboration and Group meetings of the UA5, CPLEAR, DIRAC and CMS experiments

PUBLICATIONS:

- ❖ During my participation in **UA5** experiment I contributed in **17** publications in International Scientific Journals with referees, especially in the Multiplicity & Rapidity Distribution papers
- ❖ During my participation in **CPLEAR** experiment I contributed in **16** publications in International Scientific Journals with referees, especially in the K^0 to 3 pions papers
- ❖ During my participation in **EU funded programs, DIRAC** experiment and **CMS** Experiment (until 2009) I contributed in **14** publications in International Scientific Journals with referees, especially in the Preshower related tests, development and calibration papers
- ❖ I am co-writer in more than **300** publications of **CMS** experiment with data of LHC proton collisions for the period of 2009-today
- ❖ I am co-writer in a long list of conference talks published on conference proceedings journals presented by colleagues of UA5, CPLEAR, DIRAC and CMS experiments
- ❖ I wrote 2 Technical Notes for the CMS experiment
- ❖ I contributed to CMS analysis note **CMS AN-13-110** (Search for New Physics in Multijet Final States at $\sqrt{s} = 8TeV$)
- ❖ I wrote 2 Offline Notes for the CPLEAR Experiment
- ❖ I contributed to 3 Technical Notes of CPLEAR Experiment, with my colleagues of the Ioannina HEPLAB group

For a complete updated list of publications, please use the following link:

<http://inspirehep.net/search?p=find+a+evangelou,+i>