

## 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 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)
- **1988:** Scientific Visitor at Fysikum, Univ. of Stockholm, SWEDEN
- **1990-1995:** Lecturer, University of Ioannina, Physics Dept.
- **1990-today:** Unpaid Associate, CERN-EP, Geneva, SWITZERLAND
- **1993:** Corresponding Fellow, CERN-PPE, Geneva, SWITZERLAND
- **1995-2007:** Assistant Professor, Univ. of Ioannina, Physics Dept.
- **2004:** Corresponding Fellow, CERN-PPE, Geneva, SWITZERLAND

### RESEARCH AND TECHNOLOGY EXPERIENCE

- VLSI design, CAD/CAE applications
- Participation in the EC funded projects: TELEMAN II (CAD/CAE applications), BIOMED II (BRSMS) and 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 microelectronics
- Real-time and off-line programming
- 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
- 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 data for the Multiplicity and Rapidity distributions
- Participation in **CLEAR** experiment at CERN (1990-1998), Data Taking, Monte Carlo productions and off-line analysis 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 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 the CMS-QCD analysis group
- Participation in the CMS Preshower with the following activities (as a member) of the Ioannina HEPLAB group:
  - ❖ Participation in the data taking of the testbeam 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  $\Delta$ Stream chip
  - ❖ Noise measurements of Si Sensors: **Nucl. Inst. & Methods A493(25-29)2002**
  - ❖ IV, CV characterization of Si Sensors
  - ❖ Bonding tests and bonding of  $\Delta$ Stream chips on ROH
  - ❖ Thermal cycle tests to check damage of Si Sensors from bonding
- Participation in the **DIRAC** experiment at CERN (2000-today) with contribution to the data taking (Runs of 2001 and 2002) and offline analysis for  $\Lambda$  production

PUBLICATIONS:

**47** publications in International Scientific Journals with referees, with more than 2600 citations