

Personnel

Panos A. Razis

Professor

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Panos A. Razis

Professor

University of Cyprus, Department of Physics,

Kallipoleos 75, P.O.Box 20537, 1678 Nicosia, CYPRUS

Tel.: +357-22892872, e-mail: razis(at)ucy.ac.cy

1. PERSONAL DATA

Date and place of birth : February 19, 1957 - Limassol, Cyprus

Father's name : Andreas Razis

Mother's name : Lenia Razi (Antoniadou)

Marital status : Married, with 3 children

CURRENT POSITION

Chairman of the Interim Governing Board, Open University of Cyprus.

Professor of Physics at the University of Cyprus.

PREVIOUS POSITIONS

1991-2002: Associate Professor of Physics, Department of Physics, University of Cyprus.

1990-1991: Research Associate at the European Laboratory for Particle Physics (CERN).

Department of Physics and Astronomy, University of Alabama, USA.

1986-1990: Wissenschaftlicher Mitarbeiter, Swiss Federal Institute of Technology (ETH-Zurich).

1986: Post-Doctoral Fellow, Physics Department, Yale University, USA.

2. EDUCATION

YALE University, USA: Ph.D. degree in Physics (1986)

YALE University, USA: M.Ph. degree in Physics (1982)

YALE University, USA: M.Sc. degree in Physics (1982)

University of Athens, Greece: "Ptychion" in Physics (1980, summa cum laude)

Lanition Gymnasium, Cyprus: "Apolytirion" (1975, Arista - grade 1912/14 out of 20)

3. FELLOWSHIPS / SCHOLARSHIPS / DISTINCTIONS

Ambassador of Cyprus for Fair Play (2007).

Honoured for contribution to Science (1997) and for contribution to Sports (2001, 2007).

UNESCO Fellowship under 1999 UNESCO Bank-Scheme (April-October 1999).

Wanderbuilt Scholarship: Tuition Scholarship during graduate studies at Yale (1980-1982).

Annual Fellowships: Greek National Fellowship Organisation (1976, 1977, 1978, 1979).

Recitation of the oath at the graduation as the student with the highest grades (1980).

Highest grades in the university entering examinations (1975).

Annual Prizes: High School Graduation prize for the best grades (1975). President of the school's student body. (1974 - 1975). Student with the highest grades: 1970, 1971, 1972, 1973, 1974 and 1975.

Highest grades in the High School entering examinations (1969).

Athletic Prizes: Winning prizes in national track & field games and in volleyball (1972-1975).

Winning prizes with the Cyprus national students volleyball team. Captain of the team (1975).

4. RESEARCH PROGRAMS

1982–1986: E-715 experiment, Fermi National Accelerator Laboratory, USA.

1986–1993: L3 experiment, Large Electron Positron Collider (LEP), European Laboratory for Particle Physics.

1993–1996: "Physics in the Framework and Beyond the Standard Model with the L3 Experiment at CERN".

1995–1999: CMS experiment at the Large Hadron Collider (LHC), European Laboratory for Particle Physics.

1997–1998: "High Energy Physics with the L3 and CMS Experiments at CERN".

1998–1999: "UNESCO Fellowships Bank Scheme".

1999–2007: "International Research Program in High Energy Physics at CERN".

2000: "First International Conference on Multiscale Materials Phenomena in Harsh Environments".

2001–2003: —œ •™š: "Charting the intensity levels of Electromagnetic Fields in Cyprus. Safety limits with respect to their possible influence on human health".

2002–2004: —•™š: "Comparison of the intensity levels of Electromagnetic Fields at the installations of the Electricity Network with the simulation results based on Finite Element Analysis".

2005-2008: ••: "Spectrum Monitoring and Control Laboratory".

2005: •—š: "Calibration and Control of the Very Front Electronic Modules of the CMS Electromagnetic Calorimeter".

2006: '—š: "Development of a Computational Algorithm for the Calibration of the Dead Crystals of the CMS Electromagnetic Calorimeter at CERN".

2006: •—š: "Study of the Specifications of the Data Acquisition Electronic Cards of the CMS Electromagnetic Calorimeter at CERN".

2007-2008: KM3NeT: A European Deep-Sea Research Infrastructure (Neutrino Telescope).

2007 – 2012: "High Energy Physics with the CMS Experiment at LHC, CERN".

5. PATENTS / INCUBATOR PROGRAMS

- Biometric Identification Method, International Application No: PCT/RU2005/000473.

- DactoLive: Opto-electronical Identification Systems using Novel Dactyloscopy Technology, ERMIS Research & Incubator Center.

6. PROFESSIONAL SOCIETIES

- Member of the Hellenic Society for the study of High Energy Physics

- Member of the Greek Physical Society

- Member of the European Physical Society

7. RESEARCH and TEACHING RECORDS

314 publications in International Refereed Scientific Journals, 33 Refereed Proceedings in International Conferences, Participation in 23 Technical Design Report Books and Experimental Proposals, 42 other Technical Report Series, Annual Reports and Presentations, participation in many International Conferences and Workshops. Taught 18 different undergraduate and graduate physics courses at the University of Cyprus, the Swiss Federal Institute of Technology (ETH-Zurich) and Yale University. Supervised 18 Final Year Projects. Supervised the research work of 15 graduate students and 6 Research Assistants or Postdoctoral Fellows.

8. ADMINISTRATIVE POSTS HELD (1991-2007)

INTERNATIONAL

- Representative of the Other Non-CERN Member States in the Management Board of CMS Experiment, CERN.

- National Member of the CMS Resources Review Board of the European Laboratory for Particle Physics.

- Representative of the Other Non-CERN Member States in the Conference Committee of the CMS Experiment.

- Coordinator of the New Particle Search group of the L3 Experiment.

- Member of the Collaboration Board and of the Finance Board of the CMS and L3 Experiments at CERN.

- Member of the Election Committee for the Spokesperson of the CMS Experiment.

NATIONAL

- Chairman of the Interim Governing Board of the Open University of Cyprus.

- Ambassador of Fair Play of Cyprus for 2007.
- Vice Chairman of the Cyprus Council for the Recognition of Higher Education Qualifications (ΣΥ.Ε.Ψ.).
- Vice Chairman of the Rectors Conference of Cyprus.
- General Secretary of the Rectors Conference of Cyprus.
- Member of the Cyprus Council of Higher Education.
- Candidate in the 2004 elections for the European Parliament.
- Member of the Board of the National Olympic Academy of Cyprus.
- Member of the Cyprus Committee on Research and Technological Policy.
- Member of an Evaluation Committee of ΣΥ.Ε.Ψ.
- Member of the Scientific Committee of the Cyprus Athletic Research Center.
- Member of the Cyprus Committee studying the feasibility of establishing a Science Park on the island.

UNIVERSITY

- Chairman of the Research Committee of the University.
 - Interim Vice Dean of the School of Pure and Applied Sciences.
 - Chairman of the Buildings' Organisation and Planning Committee of the University.
 - Chairman of the Safety Committee of the University.
 - Chairman of the University Committee for Health Insurance.
 - Member of the University Committee for the 2004 Olympic Games in Athens.
 - Member of the Senate of the University.
 - Member of the Board of the Faculty of Pure and Applied Sciences.
 - Member of the Research Committee of the University.
 - Chairman and Member in several University Ad-Hoc Committees.
 - President and co-founder of APOK, the University Athletic Club of Cyprus.
 - Member of the Collaboration Committee between the Universities of Thrace-Aegean-Cyprus.
- #### DEPARTMENT
- Chairman and Vice Chairman of the Department.
 - Founder and Director of the High Energy Physics Laboratory.
 - Founder and Director of the Laboratory for Certification and Monitoring of the Electromagnetic Spectrum.
 - Chairman or Member of many different Departmental Ad-Hoc Committees.
 - General Coordinator of the Physics Laboratories.

9. OTHER INFORMATION

Member of the National Track and Field teams of Greece and Cyprus (1973-1975).

Member of the National Volleyball team of Cyprus (1974-1975).
Member of the Council of the Futsal Federation of Cyprus (2001-2004).

Fotios Ptohos - Assistant Professor

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Photios Ptochos - Assistant Professor
Profile and Research Interests

Undergraduate studies at the Aristotle's University of Thessaloniki (B.Sc. in Physics 1987). Graduate studies at Harvard University (Ph.D. in Physics 1998). He has worked as a Researcher at the ICARUS experiment (1987-1988) for the European Laboratory for Particles Physics (CERN), as a Post-doctoral scientist at the CDF experiment at the Tevatron of Fermi National Laboratory (1998-2001) for the Frascati laboratory of the Italian Institute for Nuclear Physics (I.N.F.N) and as a Research Scientist at the CDF experiment for the Fermi National Laboratory (2001-2004). His research interests are concentrated in experimental high energy elementary particle physics with main focus on heavy flavor quark physics (top and b-quark physics) as handles for testing the Standard Model and searching for new particles and phenomena beyond the Standard Model predictions (supersymmetry, extra dimensions, string theories, new particle dynamics, etc); study of vector boson pair production; techniques for tau-lepton identification. He has been active in the research, development, design of new detectors for particle identification and in new Monte Carlo algorithms for the production of particles in proton antiproton collisions.

Charalambos Nicolaou

(MSc, Electronics Engineer)

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Charalambos Nicolaou(MSc, Electronics Engineer)

Charalambos Nikolaou graduated from the Department of Electrical and Computer Engineering of Democritus University of Thrace, Greece, in July 2001 with a Bachelors and Master degrees. His undergraduate project "Electromagnetic Techniques for Ground Penetrate Radar" was undertaken within the Telecommunication and Space Science Laboratory. He is currently a doctoral student at the Department of Electrical and Computer Engineering, University of Cyprus . Since September 2001 he has been a Research Associate at the High Energy Physics (HEP) Laboratory, Department of Physics University of Cyprus. His main research interests lie in the area of measurements and analysis of electromagnetic fields, DF techniques. The calibration of the CMS experiments Very Front Electronics boards and Biomedical Engineering in High frequency Ultrasound and the biological effect of the electromagnetic fields.

Antonis Papadakis

Assistant Professor

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-Graduate Student:
Andreas Petrides (MSc: University
of Cyprus)

-Graduate
Student Zenon Zenonos (MSc: University
of Cyprus)

-Graduate Student:
Costas Pelekanos (MSc: University
of Cyprus)

-Graduate Student:
Riginos Fereos

-Graduate
Student: Natalie Heracleous

-Graduate
Student: Alexandros Attikis (Msc:University College of London)

-Graduate
Student: Andreas Ioannou (MSc: University of Thessaloniki)

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