

Personal information form for Fellow members of EAMBES

Personal Info



Name: Nicolas Pallikarakis
 Gender: Male
 Date and place of birth: 24-11-1948
 Present affiliations and functions: Professor of Medical Physics
 University of Patras, Greece
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 Webpage address when applicable:

Short CV

Date and university for MSc and PhD degree(s)

- 1976 **M.Sc.** in Physical Methods of Analysis, **University of Aston**, Birmingham, UK
- 1977 **Certificate** of Biophysics, **University of Liege**, Belgium
- 1980 **PhD** in Physics, obtained with the highest distinction by the **University of Liege**, Belgium

Professional Affiliations

1998-today	Professor of Medical Physics , Medical School, University of Patras
2000-2006	Coordinator of the thematic cluster on Specific Topics of Quality, at the Postgraduate course (M.Sc.) on Quality Management of the Open University of Greece.
1981-1998	Lecturer, Assistant and Associate Professor of Medical Physics, Medical School, University of Patras
1976-1981	Research Fellow at the "Institut de Physique Atomique et Moléculaire", Université de Liège, Belgium. From 1977 until 1981 under the "Fond National de Recherche Scientifique" (FNRS) of Belgium

Major activities at the national and international level

Involvement in EU and international activities: Since 1985, actively participating in many EU expert groups related to Biomedical Engineering and Medical Informatics. Greek appointed member to the **CEN Health Forum**. From 1987 until 1998 national representative in the Advanced Informatics in Medicine (**AIM**) and then the Health Telematics (**HT**) WGs of the DG XIII. From 1990 till 2004 member of the **Medical Devices Committee** of the DG III, while preparing the EEC 93/42 and 98/98 European **Directives on Medical Devices** and elaborating the **Guidelines on the Medical Devices Vigilance System**. Member of the steering committee of the WGS1 of TC 257 CEN, for the development of the European Medical Devices Nomenclature System and the Technical Committee of ELOT on health issues (¶ 86). Member of the informal International Medical Device Group (**IMDG**) since 1985. Elected member of the **Clinical Engineering Division** Board of the **IFMBE** in 1991 and its Chairman for the 1994-1997 period. Founding member and Chairman of the Institute of Biomedical Technology (**INBIT**), an independent, non for profit Organisation, substantially contributing to the promotion of the Biomedical Engineering sector in Greece, since its establishment in 1991.

Research: Head of the **Biomedical Technology Unit (BITU)** of the laboratory of Medical Physics, Faculty of Medicine at the University of Patras. Following fifteen years of research mainly focusing on glucose metabolism using stable Carbon isotopes (domain of the PhD thesis) switched, since the late '80s into the following three main fields: **Medical Imaging and Simulation, Medical Instrumentation and Management of Medical Technology.** Coordinator of more than **thirty projects**, all approved and financed by European or Greek competitive programs, regarding research and development. Among them, one can find the **BEAM, the BEAM II and the EUROMEDIES** financed by the HCT EU program, the **TEMPERE** Thematic Network under the ERASMUS program, **MELETI** under the Leonardo da Vinci program, as well as **BIOTECHNET I and BIOTECHNET II**, under the Greek Secretariat of Research and Technology. Supervisor of more than **fifty Master and seventeen PhD** theses. The results of these R&D activities have been published in more than **one hundred scientific articles** in international journals and books. Active participation in **hundreds of international conferences, seminars workshops and WGs meetings.** Organiser of more than **forty scientific events** held both in Greece and abroad and tens of working group meetings. Author or co-author of **three scientific books**, two specific studies and **three educational / training software.** Editor or co-editor of **six books and conference proceedings.** Peer reviewer of international scientific Journals of IOS, IOP, TNS IEEE or AAPM and many Conferences' proceedings.

- **Director** of the European Postgraduate Program on Biomedical Engineering, running at the University of Patras in Collaboration with 25 other EU Universities (1996-today)
- **Chairman** of the Clinical Engineering Department (CED) of the International Federation for Medical and Biological Engineering (IFMBE), during the period 1994-97.
- **President** of the Ellenic Society of Biomedical Technology (ELEBIT)

Major scientific interests

Medical Imaging and Simulation, Medical Instrumentation and Management of Medical Technology.

Publications >**65** Citations >**430**

Sample Publications

Bliznakov, Z., Pappous, G., Bliznakova, K., Pallikarakis, N. Integrated software system for improving medical equipment management (2003) Biomedical Instrumentation and Technology, 37 (1), pp. 25-33.

Valchinov, E.S., Pallikarakis, N.E. An active electrode for biopotential recording from small localized bio-sources (2004) BioMedical Engineering Online, 3, art. no. 25, .

Stavrianou, K., Pallikarakis, N. Quality of life of end-stage renal disease patients and study on the implementation of nocturnal home hemodialysis in Greece (2007) Hemodialysis International, 11 (2), pp. 204-209.

Soimu, D., Buliev, I., Pallikarakis, N. Studies on circular isocentric cone-beam trajectories for 3D image reconstructions using FDK algorithm (2008) Computerized Medical Imaging and Graphics, 32 (3), pp. 210-220.

Recognitions:

- **Professor Honoris Causa** of the Faculty of Electrical Engineering of the University of Cluj-Napoca, Romania in 2003
- **Member** of the International Academy of Medical and Biological Engineering (IAMBE).
