

Current Employment

- a. Full Professor and Chairman, Department of Medical Physics, Faculty of Medicine, University of Crete
- b. Director of the Medical Physics Department, University Hospital of Iraklion, Crete, Greece
- c. Chairman of the Division of Radiology, University of Crete

Academic Qualifications

John Damilakis received a B.Sc. in Physics (1981) from the University of Thessaloniki, Greece, an M.Sc. in Medical Physics from the University of Surrey, UK and a Ph.D. in Medical Physics from the University of Crete, Greece.

Current positions in international organizations

- a. EFOMP President
- b. Chairman of the Education and Training Committee, International Organization for Medical Physics (IOMP)
- c. Member of the Board of Directors of IMPCB (International Medical Physics Certification Board)

Editorial Board Member

Editorial board member of several scientific journals including the '**European Radiology**' (from January 2011: Section Editor, Physics in Radiology), '**BJR/Case Reports**' (Senior Editor), '**Investigative Radiology**', '**European Journal of Medical Physics**', '**BioMed Research International**' etc.

Research Interests

Medical radiation protection, CT dosimetry, embryo/fetal dosimetry, IR dosimetry

Publications

More than 250 publications in peer-reviewed journals, conference proceedings and reports [Number of publications in Scopus: 200, in PubMed: 187, number of citations 3340, h-index 31 (Scopus)]. Many of these publications are in leading journals such as **Medical Physics**, **Physics in Medicine and Biology**, **Radiology**, **Investigative Radiology** and **European Radiology**.

Books:

1. J. Damilakis. Pregnancy and diagnostic X-rays. In: J. Damilakis (editor) Radiation Protection. ECR Syllabus, European Excellence in Education, Springer-Verlag Berlin Heidelberg 2004, p. 33-39
2. J. Adams, Z. Mughal, J. Damilakis, A. Offiah. Chapter 12 'Radiology' p. 277-307, in 'Pediatric Bone', 2nd edition, Academic Press, 2012
3. J. Damilakis, G. Solomou. Chapter 'Radiation Protection and Quality Assurance in Bone Densitometry' p. 179-195 in 'Osteoporosis and Bone Densitometry measurements', Springer, 2013

Recent Projects

John Damilakis has been involved in several national and international projects as a coordinator, group leader or research member. His most recent projects are:

a. MEDIRAD – Implications of MEDical Low Dose RADIation Exposure. Horizon 2020, NFRP-9. **WP2 leader** 'Dose evaluation and optimisation in medical imaging'. MEDIRAD aims to enhance the scientific bases and clinical practice of radiation protection in the medical field. Duration: 48 months, kick-off meeting June 2017

b. MESTRA – MEDical Sector TRANsposition (Evaluation of national actions regarding the transposition of Council Directive 2013/59/Euratom's requirements in the medical sector). **Co-leader of WP4**. The main aim of this project is to evaluate European Member States' activities for the transposition and implementation of Council Directive 2013/59/Euratom in the medical sector.

c. CONCERT (Conceptus Radiation Doses and Risks from Imaging with Ionizing Radiation) – Contract with the General Secretariat for Research and Technology, Greece, **Scientific Coordinator - Principal investigator**. The core task of CONCERT was the development of a software expert system for the estimation of conceptus dose and risk associated with imaging examinations performed on the mother. Duration: 36 months

d. EUTEMPE-RX- (EUropean Training and Education for Medical Physics Experts in Radiology).. **Leader of Workpackage 4.11** 'Dosimetry, from conceptus to the adolescent'. The EUTEMPE-RX consortium develops, puts into practice and evaluates a new training scheme for the Medical Physics Expert in Diagnostic and Interventional Radiology, which includes both face-to-face and on-line teaching. Participants: universities and teaching centres from 9 European countries. Duration: 36 months

e. 'European DRLs for Paediatric Imaging' (Contract with the EC) The aim of this project was to provide European DRLs for children and to promote their use so as to advance optimisation of radiation protection of paediatric patients, with a focus on CT, interventional procedures using fluoroscopy and digital radiographic imaging. The consortium was composed of 6 European organizations (ESR, EFOMP, ESPR, EFRS, STUK). **Scientific Coordinator, Chair of the Steering Committee, WP2 and WP3 leader**. Duration: 27 months

f. MEDRAPET (Medical Radiation Protection Education and Training) Project – Contract with the EC, Luxemburg (2010 - 2013), **Scientific Coordinator, Chair of the Steering Committee, WP2 leader**. The consortium was composed of 6 European organizations (ESR, EFOMP, ESTRO, EANM, CIRSE and the EFRS). Duration: 27 months

Academic activities

- a. President of the ‘**Hellenic Association of Medical Physicists**’ (1998-2000)
- b. President of the **European Congress of Medical Physics (ECMP)** 2016
- c. Vice Chairman of the ‘**VI International Conference on Medical Physics**’ (1999)
- d. Member of the steering committee of the ‘**Inter-University Postgraduate Course in “Medical - Radiation Physics**’, Greece (1998-today)
- e. **European Congress of Radiology**. Member of the ‘Physics in Radiology’ subcommittee (2001-2003, 2015-today), chairman of the ‘Physics in Radiology’ subcommittee (2005) and member of the Program Planning Committee (2006-2008, 2010),
- f. Invited Visiting Professor for lectures on radiation protection (CT, Dose management of pregnant patients), **Boston University**, USA (2007)
- g. Invited expert in several **IAEA missions and** meetings.
- h. Member of several international workgroups for developing syllabuses and guidelines, e.g. ‘Syllabus for the education and training of Medical Physics Experts in diagnostic radiology’ (EFOMP, published in *Insights into Imaging* 3:197-200, 2012), ‘Guidelines on radiation management for interventions using fluoroscopic or CT guidance during pregnancy’ (a joint guideline of the SIR and CIRSE, published in *J Vasc Interv Radiol* 23:19-32, 2012) and ‘Radiation protection guidelines in digestive endoscopy’ (ESGE, published in *Endoscopy* 44:408-21, 2012).
- i. Peer-reviewer for several journals incl. Medical Physics, European Radiology, Investigative Radiology.

Invited presentations

John Damilakis has given more than 300 invited presentations in national and international conferences including **ECR, RSNA, AAPM, IOMP** and **EFOMP** meetings.

Recent awards and distinctions

- a. ‘**IOMP Fellow**’, International Congress of Medical Physics, 2016, Bangkok, Thailand
- b. ‘**Certificate of Appreciation**’ from IOMP/EFOMP/MEFOMP International meeting, 2015, Qatar
- c. ‘**Certificate of Appreciation**’ from IOMP (World Congress of Medical Physics, 2015, Toronto)
- d. ‘**Certificate of Appreciation**’ from the Japan Radiological Society (74th Annual meeting of the Japan Radiological Society, 2015, Yokohama)
- e. ‘**Appreciation Award**’ from MEFOMP (International Conference of Medical Physics, 2013, Brighton, UK)
- f. ‘**Appreciation Award**’ from the Association of Medical Physicists of India’ (AMPICON 2013, Kolkata)
- g. ‘**Excellence in Research Award**’ for the research performed on ‘Radiation doses and risks from CT examinations’, Hellenic Ministry of Education, 2012.
- h. The paper entitled “Eye-Lens Bismuth Shielding in Pediatric Head CT: Artifact Evaluation and Reduction” published in *Pediatric Radiology* was awarded the ‘**Walter E. Berdon Award**’ (The Society for Pediatric Radiology), 2011.