

# ZOROS EMMANOUIL

## Physicist, M.Sc. in Medical Physics – Radiation Physics

Date of Birth : 9 August 1984

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### EDUCATION

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**2014 - Ph.D. Candidate in Medical Physics, Athens Medical School, National and Kapodistrian University of Athens**

**2014 Professional license to practice Medical Physics**

**2011-2013 M.Sc. in Medical Physics – Radiation Physics, Medical School, University of Athens**

**2002-2011 B.A.Sc. (Bachelor of Applied Science) in Mathematics and Physics, School of Applied Mathematical and Physical Science, National Technical University of Athens**

### EMPLOYMENT

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**2013 Medical Physics Intern (Radiotherapy), «Attikon» University Hospital, Athens**

**2012 – 2013 Medical Physics Intern (Diagnostic Radiology and Nuclear Medicine), «Evangelismos» General Hospital of Athens**

**2007 Trainee, FORTH PHOTONICS**

Assistant Medical Physicist

Analysis of diagnostic imaging data of the cervix resulting from optoelectronics imaging device. Design of optical systems using the software program ZEMAX.

### RESEARCH INTERESTS

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- Experimental dose verification with radiochromic films and QA in modern radiation therapy techniques.

- Computational dosimetry using Monte Carlo simulation (codes: MCNP6 και EGSnrc).

## THESES

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- «*Development of procedures and methods for radiobiological study and quality assurance in modern radiotherapy techniques*», Ph.D. Thesis, National and Kapodistrian University of Athens, 2014 –
- «*Film dosimetry protocol development for dose verification in modern radiation therapy techniques*», M.Sc. Thesis, National and Kapodistrian University of Athens, 2013
- «*Interaction of ultraviolet and visible laser radiation with coins from the collections of the Numismatic Museum of Athens*», Diploma Thesis, National Technical University of Athens, 2011.

## ANNOUNCEMENTS IN INTERNATIONAL CONFERENCES

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- **E. Zoros**, E. Pappas and E. Pantelis (2014) “Evaluation of the accuracy of the electron transport algorithms of the MCNP6 and EGSnrc Monte Carlo codes using the Fano theorem”, Poster presentation at the 8th European Conference on Medical Physics (ECMP 2014), Athens, Greece, Published in “Physica Medica” European Journal of Medical Physics, 30S1, Abstracts from the 8<sup>th</sup> European Conference on Medical Physics, p. 121.
- E. Pantelis, P. Karaiskos, **E. Zoros**, E. Georgiou, C. Antypas, A. Salvara, N. Salvaras, E. Koutsouveli, M. Torrens (2013) “Dose verification in stereotactic radiosurgery clinical applications using ebt radiochromic films”, Poster presentation at the 11th International Stereotactic Radiosurgery Society Congress, Toronto, Canada, Published in Journal of Radiosurgery & SBRT, 2013 Supplement 2.1, Vol. 2, p93-94. 2p.
- E. Drakaki, B. Klinkenberg, I. Tsilikas, **E. Zoros**, M. Kandyla, A.A. Serafetinides, E. Kontou, N. Boukos (2009) “Laser cleaning and characterization of old corroded metal coins”, Poster presentation at the International COLA 2009 Conference, Singapore, 2009. Book of Abstracts, p.210.
- E. Drakaki, B. Klinkenberg, I. Tsilikas, **E. Zoros**, M. Kandyla, A.A. Serafetinides, V. Kantarellou, A.G. Karydas, D. Evgenidou, E. Kontou, N. Katsikosta, P. Tselekas, D. Evgenidou (2009) “Evaluation of laser cleaning of ancient Greek, Roman and Byzantine coins”, Poster presentation at the International ECASIA 2009 Conference, Antalya, Turkey. Book of Abstracts, p.110.

## SCIENTIFIC PUBLICATIONS

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- Samartzis AP, Fountos GP, Kandarakis IS, Kounadi EP, **Zoros EN**, Skoura E, Datseris IE, Nikiforides GH (2014) “A robust method, based on a novel source, for performance and diagnostic capabilities assessment of the positron emission tomography system”, Hell J Nucl Med, vol. 17(2), p. 97-105.