

EDITORIAL

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MPI Special Issues Co-Editors

In this Special Issue dedicated to Medical Physics History includes four new articles from the IOMP History Project covering the history of Ultrasound, a very important field of our profession. Part I published here begins with an introduction of Ultrasound into our lives and in medicine followed by the evolution of Ultrasonic measurements which are now an essential part of Ultrasound Quality Control. Part II of this History of Ultrasound will be published early next year. The Ultrasound part of the IOMP History project has been developed by a team of British IPEM scientists, led by Dr. Francis Duck, MBE. Future articles are planned from a wider international authorship.

The History Project is growing in popularity with each of the past Special Issues having more than 10,000 downloads. This is a clear indication of the value that the profession sees in the project. All of the medical physics history articles can be accessed through: <http://www.mpijournal.org/history.aspx>

The topics extensively covered so far include:

Special issue 1 - <http://www.mpijournal.org/pdf/2018-SI-01/MPI-2018-SI-01.pdf>

* X-ray Tubes Development - IOMP History of Medical Physics (R. Behling), p.8-56

* Film-Screen Radiography Receptor Development – A Historical Perspective (P Sprawls), p.56-82

* History of Medical Physics e-Learning Introduction and First Steps (S Tabakov), p.82- 109

Special issue 2 - <http://www.mpijournal.org/pdf/2019-SI-02/MPI-2019-SI-02.pdf>

*Fluoroscopic Technology from 1895 to 2019 Drivers: Physics and Physiology (S. Balter), p.111-141

*The Scientific and Technological Developments in Mammography (P. Sprawls), p. 141-167

*Review of the Physics of Mammography (C R Wilson), p.167-225

Special issue 3 - <http://www.mpijournal.org/pdf/2020-SI-03/MPI-2020-SI-03.pdf>

*History of Dental Radiography (P Rubens), p.235-278

*The History of Contrast Media Development in X-Ray Diagnostic Radiology (A Thomas), p.278-303

*Medical Physics Development in Africa (T Ige et al), p.303-317

Special issue 4 - <http://www.mpijournal.org/pdf/2020-SI-04/MPI-2020-SI-04.pdf>

*A Retrospective of Cobalt-60 Radiation Therapy (J van Dyk et al), p.327-351

*The Many Steps and Evolution in the Development of Computed Tomography (P Sprawls), p.351-387

*Medical Physics Development in South-East Asia (K Ng et al), p.387-399

*History of Medical Physics Education and Training in Central and Eastern Europe (S Tabakov), p.399-457

Additionally, we have published summative papers related to the development of medical physics in the Middle East (A Niroomand-Rad et al, MPI vol.5 No.2, 2017) and in Central America (W Chanta et al, MPI vol.7 No1, 2019). In the MPI Issue of June 2020 we included a paper related to the History of IUPESM. In the coming regular issue of the MPI Journal we include a paper describing the new activity of the AAPM History Committee – the Virtual Museum of Medical Physics, as well as a paper about the History of AFOMP.

The Content of the MPI Special History Issues supports the objective of the History project: to research, organize, preserve, and publish on the evolution and developments of medical physics and clinical applications that are the foundations of our profession.

We welcome contributions of colleagues from all societies, organizations and companies who would like to join the History project with articles on specific topics. We look forward to receiving your suggestions.



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