

EDITORIAL

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Co-Editors of MPI History Editions (previously known as MPI Special Issues)

Most of the modern medical imaging and radiation therapy methods we use today are the results of many years of research and development and collaborative efforts of physicists, often along with engineers, physicians, and other scientists. Often, the vision and dedicated investigations into new areas establish these researchers as our Medical Physics Pioneers. This 9th issue of the *Medical Physics International History Edition* (MPI-HE), previously known as *MPI Special Issues* dedicated to history, marks the surpassing of 1000 pages of published materials about the history of medical physics. Starting in 2018 MPI-HE attracts thousands of readers per month at <http://www.mpjournal.org/history.aspx>. The articles published in this Journal have two major objectives. One is insight into the innovations and continuing developments of our medical technologies and applications plus the overall global development of medical physics. The other is getting to know our pioneers, not only their achievements and contributions, but also perhaps seeing them as role models and examples of what physicists can provide to advance the science and practice of medicine. The current MPI-HE issue No.9 includes papers related to the History of Positron Emission Tomography, Rectilinear Scanners, and Brachytherapy. Additionally, it includes papers related to the achievements of women in medical physics – both pioneers and current contributors (for this we collaborated with the IOMP WSC Chair Prof. L Marcu) and the IDMP establishment.

The History topics extensively covered in MPI-HE so far include:

MPI-HE 1 - <http://www.mpjournal.org/pdf/2018-SI-01/MPI-2018-SI-01.pdf> with papers on history of:

*X-ray Tubes; *Film-Screen Receptors; *Medical Physics e-Learning Introduction

MPI-HE 2 - <http://www.mpjournal.org/pdf/2019-SI-02/MPI-2019-SI-02.pdf> with papers on history of:

*Fluoroscopy; *Mammography; *Review of the Physics of Mammography

MPI-HE 3 - <http://www.mpjournal.org/pdf/2020-SI-03/MPI-2020-SI-03.pdf> with papers on history of:

*Dental Radiography ; *Contrast Media X-Ray Diagnostic Radiology; *Medical Physics in Africa

MPI-HE 4 - <http://www.mpjournal.org/pdf/2020-SI-04/MPI-2020-SI-04.pdf> with papers on history of:

*Cobalt-60 Radiation Therapy; *Computed Tomography; *Medical Physics in South-East Asia and in Eastern Europe

MPI-HE 5 - <http://www.mpjournal.org/pdf/2021-SI-05/MPI-2021-SI-05.pdf> with papers on history of:

* Ultrasound; * Acoustic Pressure Measurement; * Acoustic Power Measurement; *Thermal Ultrasound Measurement

MPI-HE 6 - <http://www.mpjournal.org/pdf/2021-SI-06/MPI-2021-SI-06.pdf> with papers on history of:

*Medical Ultrasound-Imaging; *Diasonograph; *HP Ultrasound Imaging; *Doppler Ultrasound; *HIFU Therapy

MPI-HE 7 - <http://www.mpjournal.org/pdf/2022-SI-07/MPI-2022-SI-07.pdf> with papers on history of:

*History of IOMP; *IOMP History tables with the names of all IOMP contributors in its 60 year history.

MPI-HE 8 - <http://www.mpjournal.org/pdf/2022-SI-08/MPI-2022-SI-08.pdf> with papers on history of:

*Medical Physics teaching; External-Beam Radiotherapy Fractionation; Medical Physics teaching in medicine, etc.

Additionally, history information about the development of medical physics in all continents can be seen in the Regular issues of MPI 2019-2021, where all IOMP Regional Organisations included papers about the professional and educational development in many of the countries within their geographical areas. The content of the MPI-HE (previously known as Special History Issues) of the Medical Physics International (MPI) Journal 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. Our young medical physicists and students will benefit from getting to know our pioneers. This can be achieved by sharing these articles and including presentations and discussions within your education and training programs. We are grateful to all authors who submitted papers and to the Technical Editor M Stoeva. 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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