

EDITORIAL

Slavik Tabakov, Perry Sprawls and Geoffrey Ibbott - Co-Editors-in-Chief of MPI History Editions

This issue of the *Medical Physics International History Edition* (MPI-HE), previously known as *MPI Special Issues* dedicated to history, marks the surpassing of 1600 pages of published materials about the history of medical physics. Starting in 2018 MPI-HE attracts thousands of readers per month at <http://www.mpijournal.org/history.aspx>. The articles published in this Journal MPI-HE 11, 2025 have three major foci. The first one is a sequence of 4 papers describing the history of Fast Neutron Therapy – one Introductory and 3 large consecutive papers. The papers explain that beginning almost immediately after the discovery of the neutron and continuing to the present day, fast neutron therapy has undergone several cycles of initial excitement, followed by great disappointment, and then cautious optimism. The second focus is on Nobel Prizes related to medical physics. Beginning with this Edition, such articles are being published describing the research and discoveries recognized with Nobel Awards that were contributions to the general field of medical physics. These are in the award categories of Physics, Chemistry, and Medicine and Physiology but are the discoveries that are the foundation of Medical Physics, especially the radiations and the names of radiation units. The third focus is on Pioneers/Doyens of medical physics and various contributors to our professional progress. As in several previous MPI-History issues, a number of articles here are made in collaboration with the AAPM History Committee.

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

MPI-HE 1 - <http://www.mpijournal.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.mpijournal.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.mpijournal.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.mpijournal.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.mpijournal.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.mpijournal.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.mpijournal.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.mpijournal.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.

MPI-HE 9 - <http://www.mpijournal.org/pdf/2023-HE-09/MPI-2022-HE-09.pdf> with papers on history of:

*PET development; *Rectilinear scanner; *Women in medical physics; *IDMP History

MPI-HE 9 - <http://www.mpijournal.org/pdf/2024-HE-10/MPI-2024-HE-10.pdf> with papers on history of:

*Past X-ray mania; *ICMP History; * Evolution of visibility in MP; *Abstracts from ICMP 1; *Abstracts from 1994

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.



Prof. Slavik Tabakov



Prof. Perry Sprawls



Prof. Geoffrey Ibbott