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Edited by Salvatore Esposito, Lucio Fregonese, Roberto Mantovani

Abstract

The 38th annual SISFA Congress (2018) developed through various sessions addressing a variety of themes in the history of physics and astronomy from antiquity to the 20th century. Historical collections and the role of instruments in the development of physics and astronomy were among the subjects addressed. The results and potentialities of the history of physics and astronomy were also explored in connection with applications in education and outreach activities.

The year 2018 was particularly dense of important anniversaries, among which the disappearance of Ettore Majorana (1938), the promulgation of the racial laws in Italy (1938), with – among other things – their negative impact on national science, and the birth (1818) of Angelo Secchi, one of the founders of modern astrophysics. Specific topical sessions considered these important figures and events on the basis of up-to-date scholarly research.

A talk presenting the 2018 HYPE initiative, organized jointly by the Italian and the International Physics and History Students Associations, witnessed the remarkable cultural interest of the younger generations for the history of physics and offered their points of view to the audience.

This volume collects the numerous articles presented for the congress proceedings on the various general and topical themes.

Salvatore Esposito, former member of the Board and Secretary of the Italian Society of the Historians of Physics and Astronomy, is Full Professor (qualification) in Didactics and History of Physics and Associate Professor (qualification) in Theoretical Physics of Fundamental Interactions. His research interests range from theoretical physics, to science and museum popularization, to history of physics. He is considered one of the world experts on Ettore Majorana's work.

E-mail: Salvatore.Esposito@na.infn.it

Lucio Fregonese teaches History of Physics at the Physics Department of the University of Pavia. He focuses on the history of physics in the 18th and 19th centuries and on the cultural and educational applications of scientific heritage. From 2012 to 2018 he has served as President of SISFA.

E-mail: lucio.fregonese@unipv.it

Roberto Mantovani since 2004 teaches History of Scientific Instruments at the Department of Pure and Applied Sciences (DiSPeA) of the University of Urbino Carlo Bo. In the same university he is also scientific Curator of the Physics Laboratory: Urbino Museum of Science and Technology. His research is mainly focused on History of Scientific Instruments and more generally on the History of Physics for the Eighteenth and Nineteenth Centuries. He was a member of the Board of the Italian Society of the Historians of Physics and Astronomy (SISFA) from 2006 to 2012 and Secretary of the same Society from 2015 to 2020.

E-mail: roberto.mantovani@uniurb.it