



ISRAEL - ITALY SCIENTIFIC WORKSHOP

"PARTICLE ACCELERATOR - DEVELOPMENT AND USES IN MEDICAL APPLICATIONS, INDUSTRY, SCIENCE AND THE ENVIRONMENT"

Tuesday, November 5, 2019

Crowne Plaza Beach Hotel,
Hayarkon Street 145 Tel –Aviv, Israel

09:00 – 09:30 **Gathering and Registration**

09:30 – 09:45 **Opening and Greetings**

Prof. Alexander Bligh, Chief Scientist, Ministry of Science & Technology

Dr. Stefano Ventura, Scientific Attaché, Embassy of Italy

FIRST SESSION:

09:45 – 10:05 **"Bridging Science and Humanities: D-REAMS Research at the Weizmann Institute"**

Dr. Elisabetta Boaretto, Weizmann Institute of Science

10:05 – 10:25 **"Future Accelerators for Particle Physics"**

Dr. Pierluigi Campana, National Laboratories in Frascati

10:25 – 10:45 **"Laser-Based Neutron Generators"**

Dr. Ishay Pomerantz, Tel Aviv University

10:45 – 11:05 **Break, Posters Visit**

SECOND SESSION:

11:05 – 11:25 **"Medical imaging with proton beams"**

Dr. Carlo Civinini, Università degli Studi di Firenze

11:25 – 11:45 **"Neutrino Detection using New Nuclear Radiation Experiments"**

Dr. Itzhak Orion, Ben-Gurion University

11:45 – 12:05 **"Beam production and delivery in particle therapy: a medical physicist's perspective"**
Dr. Marco Schwarz, INFN Trento, Proton Therapy Center

THIRD SESSION:

12:05 – 12:25 **"Nuclear physics applications in cancer radiotherapy with light ion beams"**
Prof. Vincenzo Patera, Universita di Roma La Sapienza

12:25 – 13:45 **Official Lunches, Posters Visit**

13:45 – 14:05 **"The most compact particle therapy: clinical applications, today and in the future"**
Dr. Sion Koren, P-Cure Ltd

14:25 – 14:45 **"Boron Neutron Capture Therapy with proton accelerators: the technological turning point for the clinical applications"**
Dr. Silva Bortolussi, University of Pavia

FOURTH SESSION:

14:45 – 15:05 **"Research Programs and Plans at the Soreq Applied Research Accelerator Facility (SARAF)"**
Prof. Israel Mardor, Soreq Nuclear Research

15:05 – 15:25 **"Selected applications of gamma-spectroscopy based on recent detection developments"**
Prof. Angela Bracco, Università di Milano

15:25 – 15:45 **Break, Posters Visit**

15:45 – 16:30 **"The Israeli Accelerator Knowledge Center – Status and Future Plans"**
Prof. Aharon Friedman, Ariel