

The Israel Academy of Sciences and Humanities
cordially invites you to a conference In memory of Prof. Alex Keynan

האקדמיה הלאומית הישראלית למדעים מתכבדת להזמין אתכם
ליום עיון ולזכרו של פרופ' אלכס קינן בנושא

מקורות קרינה מייננת ומאיצים חדשים בישראל ושימושיהם

New Sources of Ionizing Radiation and Accelerators in Israel and Their Applications

ביום שני, כ"ב באייר תשע"ט
Monday, May 27, 2019

בבית האקדמיה, כיכר אלברט איינשטיין, רחוב ז'בוטינסקי 43, ירושלים
at The Israel Academy of Sciences and Humanities, Albert Einstein Square, 43 Jabotinsky Street, Jerusalem

PROGRAM

08:30 Registration and Gathering

09:00 Greetings – Prof. Nili Cohen, President,
The Israel Academy of Sciences and Humanities (IASH)

09:05 Introductory Remarks – Prof. Reshef Tenne,
Academy Member, Weizmann Institute of Science

Session I New Accelerators in Israel

Chair: Dr. Yonatan Elbaz, Israel Atomic Energy Commission (IAEC)

09:10 Prof. Israel Mardor, Soreq Nuclear Research Center
Research Programs and Plans at the Soreq Applied Research
Accelerator Facility (SARAF) II

09:40 Prof. Aharon Friedman, Ariel University Accelerator Center
Overview of the Ariel University Accelerator Center and the Planned
Proton Accelerator

10:00 Prof. Avi Gover, Tel Aviv University; Ariel University Free Electron Laser Research Center
Free Electron Lasers in Israel

10:15 Dr. Tomer Zidki, Ariel University Accelerator Center
The New Linear Electron Accelerator at Ariel University and Potential Projects

10:30 Dr. Ishay Pomerantz, Tel Aviv University
High Intensity Lasers for Table-Top Accelerators

10:50 Coffee break

Session II Research and Development with Accelerators in Israel

Chair: Prof. Israel Zilbermann, Shimon Peres Negev Nuclear Research Centre;
Ben-Gurion University of the Negev

11:10 Prof. Guy Makov, Ben-Gurion University of the Negev
Radiation Damage in Materials

11:30 Prof. Eyal Mishani, Hadassah Medical School
Cyclotron Radiopharmacy and Its Applications for Radioisotope
Separation for PET

11:50 Dr. Dror Alezra, Sheba Medical Center
Magnetically Optimized Very High Energy Electron Therapy:
A Transformative New Way of Delivering Radiation Cancer Treatments

12:10 Prof. Elisabetta Boaretto, Weizmann Institute of Science
Accelerator Mass Spectrometry (AMS) for Archaeology and
Environmental Science

12:30 Dr. Olga Girshevitz, Bar-Ilan University, Institute of Nanotechnology & Advanced Materials
Overview of Ion Beam Applications at the BINA Tandem Pelletron Accelerator

12:50 Lunch break

Session III Research and Development with Accelerators in Israel and Abroad I

Chair: Prof. Alexander Bligh, Chief Scientist, Ministry of Science and Technology

13:30 Prof. Amit Kanigel, Technion – Israel Institute of Technology
Using Muons to Search for Exotic Phases in Condensed Matter

13:50 Prof. Guy Ron, The Hebrew University of Jerusalem
Searches for Beyond-Standard-Model Physics with Low-Energy
Accelerators

14:10 Prof. Michael Paul, The Hebrew University of Jerusalem
Nuclear Astrophysics at SARAF

14:30 Dr. Ranny Budnik, Weizmann Institute of Science
New Detectors for Astrophysics

14:50 Coffee break

Session IV Research and Development with Accelerators in Israel and Abroad II

Chair: Dr. Aviv Zeevi Balasiano, Israel Innovation Authority

15:10 Dr. Semen Gorfman, Tel Aviv University
Potential of Neutron Diffraction in the SARAF

15:30 Dr. Erwin Tal-Gutelmacher, Vice President for R & D, PO-Celltech
Treatment of Polymer Membranes with Neutron Radiation

15:50 Dr. Mike Sinclair, Executive Chairman, Advanced Oncotherapy, Inc.
Proton Therapy

16:10 Prof. Haim Cohen, Ariel University Accelerator Center
Utilization of Linear Electron Accelerators in Industry (including
the gem industry)

Session V Panel Discussion on Means to Broaden the Uses of Accelerators in Israel (in Hebrew)

Chair: Prof. Moshe Deutsch, Bar-Ilan University

16:30 Participants:
Prof. Ishi Talmon, Technion – Israel Institute of Technology & VATAT
Dr. Yonatan Elbaz, IAEC
Dr. Nadav Cohen, Administration for the Development of Weapons and
Technological Infrastructure (MAFAT)
Dr. Aviv Zeevi Balasiano, Innovation Authority
Prof. Alexander Bligh, Ministry of Science and Technology

17:30 Concluding Notes - Prof. Reshef Tenne

לחצ'י להרשמה | CLICK TO REGISTER IN ADVANCE

הכניסה ללא תשלום ובהרשמה מראש | מספר המקומות מוגבל, הכניסה על בסיס מקום פנוי | חניה ציבורית ברחובות הסמוכים לאקדמיה.

Admission is free and subject to availability of seating. | On-street parking is available near the Academy.