

Symposium on Innovations in Bioengineering Technologies in the Service of Humanity and Society

**Colleagues and former students are cordially invited
to celebrate Prof. Boris Rubinsky's 70th Birthday.**

**Celebration will take place during the conference
entitled "Innovations in Bioengineering Technologies
in the Service of Humanity and Society".**

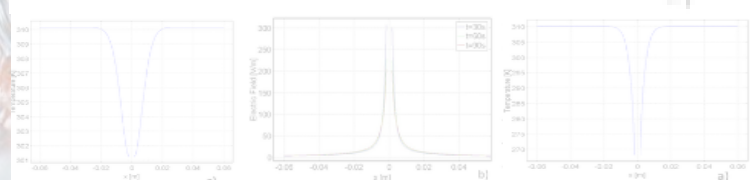
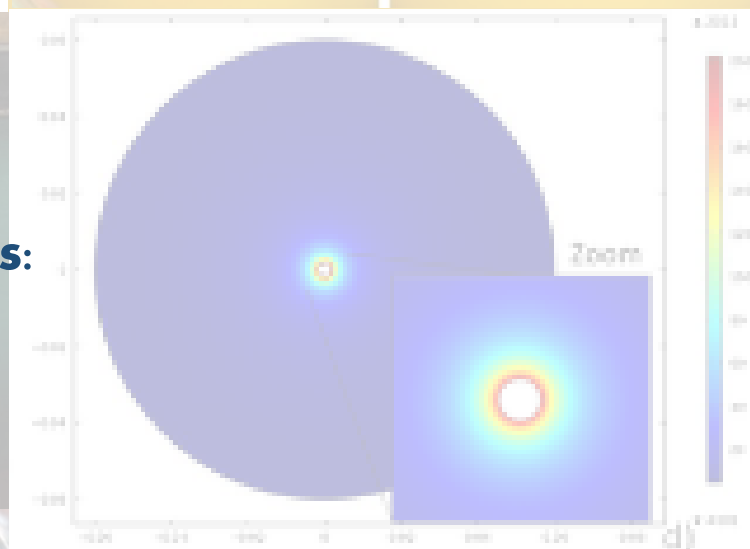
**The conference will take place on 28 March, 2018 at
the Porter School of Environmental Studies at Tel Aviv
University.**

Entrance is Free.



Please RSVP here

**For information contact us:
agolberg@tauex.tau.ac.il**





Schedule Plan your day

8:30 **Registration and Coffee**

9:00 **Opening Remarks**

Greetings

Prof. Colin Price.
Head, Porter School of Environmental Studies
Tel Aviv University

The mission of the Ministry of Science and Technology.

Dr. Andrey Broisman
Ministry of Science & Technology

Boris Rubinsky – pioneer in Cryosurgery

Prof. Avraham Shitzer.
Technion.

9:25 **Sessions**

Chair: Dr. Alex Golberg, Tel Aviv University

Comparison of Cryosurgery and Irreversible Electroporation, Did IRE Meet Our Expectations?

Prof. Gary Onik
Carnegie Mellon University

Hybrid retinal implant for restoration of sight

Dr. Yossi Mandel,
Bar Ilan University

Diagnosing ischemic heart disease using high frequency QRS analysis

Dr. Yair Granot.
BSP Biological Signal Processing

Seaweed as the potential source for starch production in an offshore biorefinery.

Dr. Meghanath Prabhu.
Tel Aviv University

Cerebrovascular autoregulation responses detection using radio-frequency electromagnetic waves

Moshe Oziel,
Tel Aviv University

10:40 **Coffee Break**

11:00 **Sessions**

Chair: Dr. Gadi Blumrosen, IBM

Electroporation based treatment - deep seated tumors

Prof. Damijan Miklavcic,
University of Ljubiana

Ophthalmic Scatterometry

Dr. Ygal Rotenstreich ,
Sheba Medical Center

Extraction and purification of functional proteins from marine macroalgae Ulva and Gracilaria, for food application

Meital Kazir,
Technion

Electroporation interlinks with electroendocytosis via electrochemical acidification

Prof. Rafi Korenstein,
Tel Aviv University

A new technology for treatment of AFib that combines freezing with electrolysis

Prof. Mohammad Hjoui,
Al Quds University

12:30 **Lunch**

13:30 **Sessions**

Chair: Dr. Yossi Mandel. Bar Ilan University

Volumetric Inductive Phase Shift to detect Brain Edema and Haematoma; a timeline review

Cesar Antonio Gonzalez Diaz,
Instituto Politécnico Nacional, México

One-second glaucoma laser treatment - is it possible?

Prof. Michael Belkin.
Tel Aviv University

Applying pulsed electric field on seaweed, opportunities and challenges.

Arthur Robin,
Tel Aviv University

Cardiovascular applications for irreversible electroporation

Dr. Elad Maor.
Sheba Medical Center

Current and Future human Kinematics sensing modalities and techniques

Dr. Gadi Blumrosen.
IBM

14:45 **Coffee Break**

15:00 **Sessions**

Chair: Prof. Mohammad Hjoui, Al Quds University

Sensor Technology in Assessments of Clinical Skill

Dr. Shlomi Laufer.
Technion

Chromatic pupilloperimetry for objective diagnosis of neurodegeneration in the eye and the brain

Dr. Ygal Rotenstreich
Sheba Medical Center

Selective allergens extraction from macroalgae Ulva sp. with pulsed electric fields

Mark Polikovsky.
Tel Aviv University

Innovation in service of humanity ; The heart lung machine - from bubble oxygenation to nano-technology

Dr. Gabriel Amir.
Schneider Children's Medical Center of Israel

Current research in my laboratory

Prof. Boris Rubinsky.
University of California at Berkeley

Symposium Closing

16:45

Dr. Alex Golberg.
Tel Aviv University