

THE ISRAELI GRAPHENE CONSORTIUM CONFERENCE

MAY 19, 2021

AN INTERNATIONAL ONLINE CONFERENCE

Register >>

Participation in the conference is free. Pre-registration is required

Israel Time

Session 1 - Chair: Prof. Doron Naveh

- 10:00 - 10:10 Opening And Greetings
Dr. Ami Appelbaum // Chief Scientist, The ministry of economy and industry; Chairman of the Board, The Israel Innovation authority
- 10:10 - 10:20 Activity of the Israeli graphene consortium
Mr. Aner Shoham // Coordinator, The Israeli graphene consortium
- 10:20 - 11:05 Graphene and F-Diamane
Prof. Rodney Ruoff // UNIST, Ulsan, Korea
- 11:05 - 11:20 Graphene in NVIDIA, why now?
Dr. Elad Mentovich // Sr. Principal engineer, Advanced development, NVIDIA
- 11:20 - 11:40 PCB technologies solutions for heat dissipation HSD/RF/microwave designs
Mr. Yaad Alia // CTO, PCB Technologies
- 11:40- 12:00 Growth of atomic-films: From the lab to the fab
Prof. Ariel Ismach // Faculty of Engineering, Tel-Aviv University

12:00-12:15- Break

Session 2 - Chair: Dr. Elad Mentovich

- 12:15 - 13:00 Graphene and layered materials for photonics and optoelectronics
Prof. Andrea Ferrari // Cambridge Graphene Centre, Engineering Dep., University of Cambridge
- 13:00 - 13:20 Slide-Tronics
Dr. Moshe Ben-Shalom // School of Physics and Astronomy, Tel Aviv University
- 13:20 - 13:40 Graphene in PCB - Design challenges
Mr. Boaz Atias // Head of advanced PCB lab in the advanced technologies group, NVIDIA
- 13:40 - 14:05 Torsional electromechanics of carbon and inorganic nanotubes: From fundamentals to devices
Prof. Ernesto Joselevich // Dep. of Materials and Interfaces, Weizmann Institute of Science
- 14:05 - 14:40 Mass production of graphene for printed circuit applications
Prof. Doron Naveh // Faculty of Engineering, Bar-Ilan University

14:40-15:05 - Break

Session 3 - Chair: Prof. Ariel Ismach

- 15:05 - 15:50 Graphene production and application in sensors
Dr. Amaia Zurutuza // Scientific Director, Graphenea
- 15:50 - 16:10 Avoiding hot spots: Graphene-based conformal coating
Prof. Oren Regev // Dep. of Chemical Engineering, Ben-Gurion University of the Negev
- 16:10 - 16:30 Thermometry of nanomaterials and devices
Prof. Eilam Yalon // Dep. of Materials Science and Engineering, Technion
- 16:30 - 16:50 Nanomanipulation of bilayer graphene contacts
Prof. Elad Koren // Dep. of Materials Science and Engineering, Technion
- 16:50 - 17:35 Unique heat conduction properties of graphene – Applications in thermal management
Prof. Alexander A. Balandin // Electrical, Computer and Material Engineering, University of California
- 17:35 - 18:20 Next-generation integrated electronics enabled by 2D materials
Prof. Kaustav Banerjee // College of Engineering, University of California, Santa Barbara
- 18:20 - 18:30 Closing remarks
Prof. Doron Naveh // Faculty of Engineering, Bar-Ilan University

