

PROGRAM

OCTOBER 15th, 2018

17:00 Visit to the Catania site of STMicroelectronics, Zona Industriale Catania.

<https://www.st.com>

18:00 Transfer to the hotel.

OCTOBER 16th, 2018

08:30 Visit to the Innovation Hub & Lab of Enel, Contrada Passo Martino, Catania.

<https://www.enelgreenpower.com>

10:00 Transfer to Scuola Superiore Catania.

OCTOBER 16th, 2018 – *Aula Magna Scuola Superiore di Catania.*

10:45 Welcome address

Ofer Sachs (Israeli Ambassador in Italy)

Fabrizio Nicoletti (Min. Plen. Ministero Affari Esteri e Cooperazione Internazionale)

11:15 Dan Vilenski (entrepreneur, former CEO Applied Material) Government - Academy

- Industry cooperation, the Israeli National Nanotechnology Initiative, an innovative model

12:00 Diederik Wiersma (President of INRIM National Metrology) Institute Inspiration from nature: Photonic arms, legs, and skin

12:25 David Cahen (Weizmann Institute of Science) The promise of Halide Perovskite Solar Cells

12:55 Fabrizio Bizzarri (Head of Sun and Wind Innovation, Enel) Open innovability @Enel: how it works and real success stories

13:20 Lunch break

14:30 Luisa Torsi (Bari University - past President, European Materials Research Society)

Printable bio-electronics: the reliable and scalable way for single molecule biosensing

14:55 Yosi Shacham (Tel Aviv University) Interconnects for micro and nano systems technologies

15:25 Aldo Di Carlo (Roma Tor Vergata University) Perovskite solar cells: from lab scale to large area modules

15:50 Ervin Tal-Gutelmacher (VP R&D @ PO-CELLTECH former Elbit –Energy) Recent advancements on alkaline membrane fuel cell (AMFC) technology

16:20 Mario Aleo (STM - Catania site) Lever-

aging the start up nation: pragmatism and innovation

16:45 Coffee break

17:15 Round Table - Advanced materials: Barriers and opportunities in academia – industry collaboration

ADDRESS SPEECHES and COORDINATION: **Haim Rousso** (Former CEO of EL-OP, Member of the council of the Israeli Innovation Authority)

Ruggero Aricò (VP Confindustria Assafrica & Mediterraneo)

19:00 Conclusions

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08:30 Corrado Spinella (Director, National Research Council) Matter and devices: beyond silicon, what next?

08:55 Assaf Anderson (MaterialsZone) Materials Data in the Blockchain Era

09:25 Sergio Brovelli (CTO GlasstoPower) Glass to Power: Building integrated solar nanotechnologies for energy sustainable urban architecture

09:50 Doron Auerbach (Bar Ilan University) Frontiers in materials science for effective electro-mobility

10:20 Coffee break

10:50 Moshe Eizenberg (Technion – Israel Institute of Technology) The Role of Interfaces and Defects in Controlling the Electrical Properties of Metal/High-K Stacks on Various Semiconductors

11:20 Leonida Miglio (University of Milano-Bicocca, Chairman of PoliS-Lombardia) From laboratory proof of concept to one industrial prototype: how to close the Italian gap

11:45 Louisa Meshi (Ben Gurion University) Solution of metallurgical riddles by electron crystallography

12:15 Roman Krahn (Istituto Italiano di Tecnologia) Designed nanoscale materials for photonic applications

12:40 The Israeli way to communicate innovation as seen by an Italian TV anchorman and university teacher - **Alessandro Cecchi Paone**

13:00 Lunch break

14:20 Reshef Tenne (Weizmann Institute of Science) Inorganic nanotubes and fullerene-like nanoparticles at the crossroad between materials science and nanotechnology and their applications

14:50 Giacomo Cuttone (Director LNS, National Institute for Nuclear Physics) Laboratori Nazionali del Sud: A European research infrastructure in nuclear, astro particle and applied physics

15:15 Yair Ein Eli (Technion – Israel Institute of Technology) Advanced Materials for High Energy Density Li-ion Batteries

15:45 Coffee break

16:20 Round Table - Advanced materials: Opportunities for collaborations between Italy and Israel

ADDRESS SPEECHES and COORDINATION:
Dan Vilenski (entrepreneur, former CEO Applied Material)

Francesco Priolo (Catania University)

17:50 Summary and Conclusions

CHAIRMEN:

Francesco Priolo,
Antonio Terrasi,
Salvo Mirabella
(Catania University)

*Italian Israeli
Cooperation Workshop*

MATERIALS AND
TECHNOLOGIES
FOR INDUSTRIAL
INNOVATION

16
17
October
2018

SCUOLA
SUPERIORE
DI CATANIA



Ministry of Science,
Technology and Space



UNIVERSITÀ
degli STUDI
di CATANIA

