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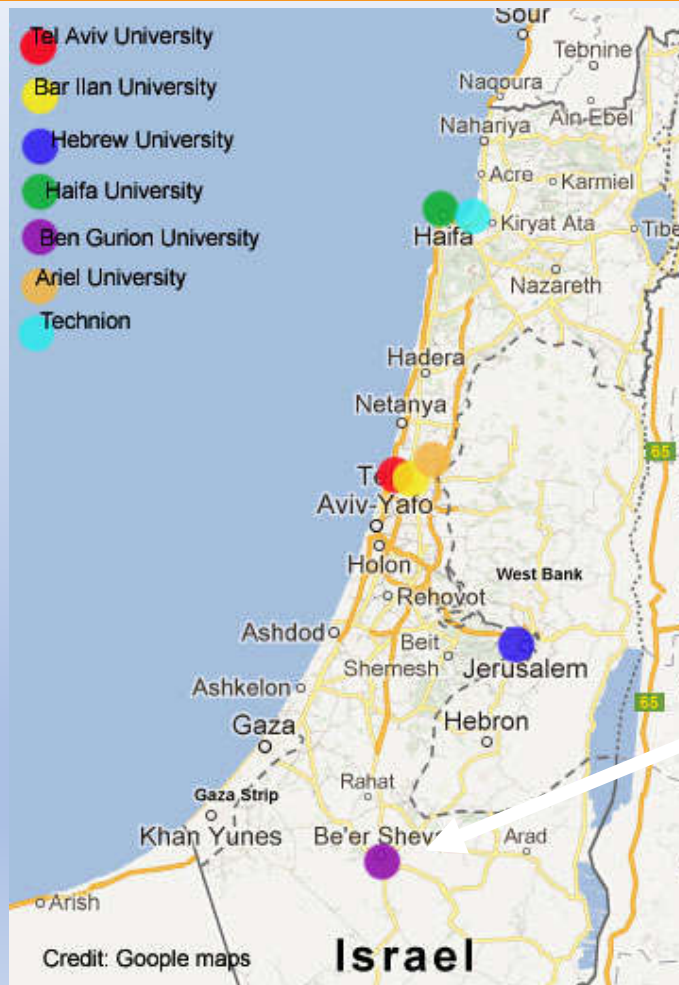
Energy Research @ BGU

Prof. Raz Jelinek
Vice President for
Research & Development





Ben Gurion University of the Negev





אוניברסיטת בן-גוריון בנגב
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A view of the high-tech park from the BGU Campus



BGU - a leader in energy R&D

Brighter than 1000 suns



From theory to reality



1 Watt



2000 Watts

Solar energy

- Photovoltaic systems
- Thermal energy

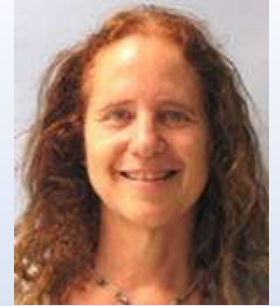
Biomass feedstock

- Plant/algae breeding
- Plant genetics
- Agro-technology

Biomass conversion technologies

- Combustion and gasification
- Carbon dioxide hydrogenation to liquid fuels

New Center for Energy & Sustainability

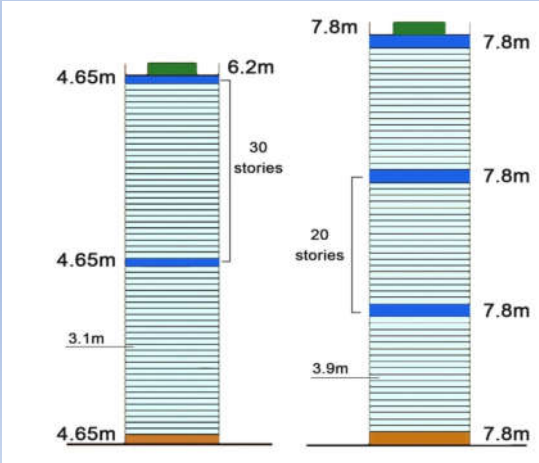
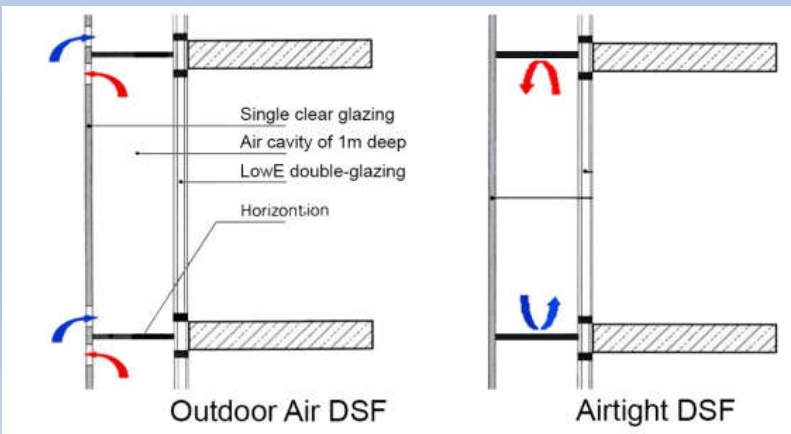


Prof. Alva Peled - Chair

- **Home for energy research at BGU**
- **Generous donation from Y. Bronicki, Co-founder of Ormat Technologies Inc., matched by BGU President Prof. Daniel Chamovitz**
- **Multidisciplinary research emphasis – from smart materials to smart buildings**
- **Aiming to support groundbreaking research and “out-of-the-box” thinking**
- **Investing in excellence in both manpower and infrastructure**

Impact of tall buildings on energy-usage profile in urban centers

Prof. Itzhak Meir, Civil Engineering



Perovskite thin films for solar cell applications

Prof. Yuval Golan, Materials Engineering



MATERIALS CHEMISTRY

FRONTIERS



CHINESE CHEMICAL SOCIETY



ROYAL SOCIETY OF CHEMISTRY

RESEARCH ARTICLE

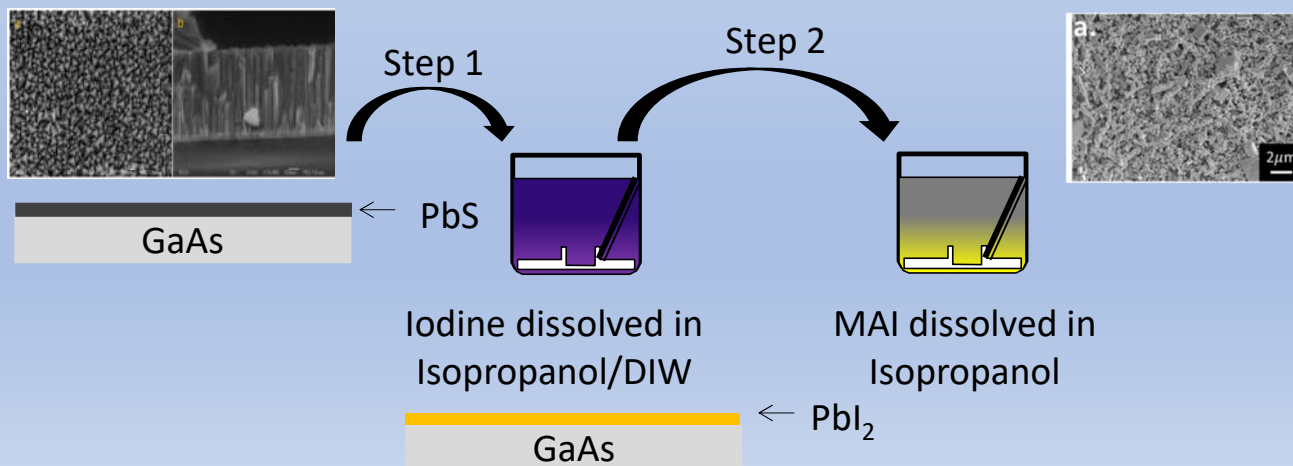
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Morphology control of perovskite films: a two-step, all solution process for conversion of lead selenide into methylammonium lead iodide

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Thank You.

*'The difficult we will do immediately,
The impossible might take a little longer'*

