



Schedule

- 13:00-13:10 Opening words by Prof. Boris Zaltzman, the Director of Jacob Blaustein Institutes for Desert Research.
- 13:10-13:35 Overview of the research activities in the Department
- 13:35-14:00 Administrative and technical information (fellowships, dormitories, registration information, etc.)
- 14:00-15:30 *Informal meetings with faculty members and graduate students*
- 15:30-16:30 Lab tours
- 16:30-17:30 Campus and dormitories tour
- 17:30 Bus departure to Beer Sheva



Faculty offering research projects

Faculty Member	Research Interest	E-mail
Yosef Ashkenazy, Associate Professor	Climate dynamics and modeling; sand dunes dynamics and modeling; paleoclimate; statistical analysis (linear and nonlinear) of climate records.	ashkena@bgu.ac.il
Golan Bel, Senior Lecturer	Non-equilibrium statistical physics of climate dynamics, transport in nano-channels and single-molecule dynamics and spectroscopy; Physics of algal biomass production; Localized states and disorder in non-linear dynamics of water-limited vegetation;	bel@bgu.ac.il
Daniel Feuermann, Professor	Production of nanomaterials using highly concentrated solar radiation. Design of optics for concentrating solar collectors. Selective coatings.	daniel@bgu.ac.il
Jeffrey M. Gordon, Professor	Nanomaterial synthesis by highly concentrated solar and ultra-bright lamp light; physics and characterization of ultra-efficient solar cells; advanced solar concentrator optics; radiometry and illumination optics; bio-inspired systems.	Jeff@bgu.ac.il
Eugene A. Katz, Professor	Photovoltaic characterization of various solar cells; organic and nanostructured solar cells; photovoltaic operation under concentrated sunlight.	keugene@bgu.ac.il
Ehud Meron, Professor	Nonlinear dynamics and pattern formation far from equilibrium; spatial ecology; complex systems.	ehud@bgu.ac.il
Avi Niv, Senior Lecturer	Optics; Nanotechnology; Solar cells.	aviniv@bgu.ac.il



YDSEEP Open Day - *March 31, 2015*

Leonid Prigozhin, Professor	Mathematical modeling; variational and free boundary problems; numerical methods; granular mechanics and Aeolian sand transport; applied superconductivity.	leonid@bgu.ac.il
Isaak Rubinstein, Professor	Physico-chemical hydrodynamics; membrane electrochemistry; electrokinetics in micro-nano fluidics; concentration polarization in charge selective ionic systems.	robinst@post.bgu.ac.il
Roiy Sayag, Senior Lecturer	Fluid Mechanics; non-Newtonian Flows; Elasticity; Free Boundaries; Stability and Pattern Formation; Porous Media; Geophysical flows; Ice-sheet Dynamics.	roiy@bgu.ac.il
Iris Visoly-Fisher, Senior Lecturer	Organic photovoltaic and optoelectronic materials and devices; Surface science: Thin films; Scanning probe microscopy; Surface photo-voltage; Characterization through a 'bottom up' approach – from the properties of a single building block to understanding the system's behavior.	irisvf@bgu.ac.il
Arik Yochelis, Senior Lecturer	Nonlinear dynamics in pattern forming systems; spatially localized states in activator-inhibitor systems; autocatalysis & electrochemistry; charge transport/transfer in 'soft' solar cells; energy storage.	yochelis@bgu.ac.il
Boris Zaltzman, Professor	Physico-chemical hydrodynamics; membrane electrochemistry; electrokinetics in micro-nano fluidics; concentration polarization in charge selective ionic system.	boris@bgu.ac.il