08:15-09:00	Gathering and Refreshments
09:00-10:00	**Opening Session**
09:00-09:10	Opening Remarks - Steven Frankel
09:10-10:00	Keynote Lecture: *Physics-Informed Learning Machines (PhILMs) for Physical Systems*, **Prof. George Em Karniadakis**, The Charles Pitts Robinson and John Palmer Barstow Professor of Applied Mathematics, Brown University
10:00-10:20	Coffee Break
10:20-11:50	**1st Session** - High-Order Numerical Methods and LES Applications
10:20-10:40	High-Order Large Eddy Simulations of High-Speed Boundary Layer Transition, **Yann Delorme**, Faculty of Mechanical Engineering, Technion, Israel
10:45-11:05	High-Order Large Eddy Simulations of Hydrofoil Cavitation Control, **Steven H. Frankel**, Faculty of Mechanical Engineering, Technion, Israel
11:10-11:30	High-Order Numerical Algorithm for Low-Mach Combustion with Complex Chemistry, **Solal Amouyal**, Faculty of Mechanical Engineering, Technion, Israel
11:35-11:55	High-Order Wall-Resolved Large Eddy Simulation of Transonic Buffet on the OAT15A Air foil, **Will Pazner**, Lawrence Livermore National Laboratory, Livermore, CA 94550, U.S.A.
12:00-13:00	Lunch Break
13:00-14:00	**2nd Session** - Wall-Modeling, Numerical Methods, and LES Applications
13:00-13:20	Wall Modeled Implicit LES using High-Order Flux Reconstruction Method of NACA4412 Wing, **Vikram Singh**, Faculty of Mechanical Engineering, Technion, Israel
13:25-13:45	Singularities of the Spatial Operator in the Incompressible Navier-Stokes and Stokes Equations, **Prof. Jan Nordström**, Head of Computational Mathematics Division, Linköping University, Sweden.
13:50-14:10	Computational Aeroacoustics using LES for Aeronautical Systems, **Mickey Weidenfeld**, Rafael Inc., Israel
14:20-16:20	**3rd Session** - Hands-On Tutorial
14:20-16:20	**Hands-on Tutorial**: Introduction to Star-ccm+, Siemens, (Farkas Computer Classroom, 0th-floor (off lobby) of Dan Kahn building).
16:20-16:30	Adjourn