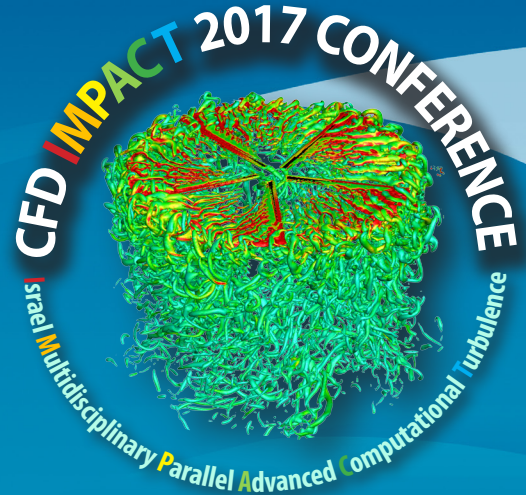
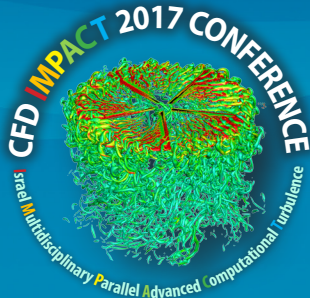


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Program | July 12, 2017

D. Dan and Betty Kahn Faculty of
Mechanical Engineering Building
Technion - Israel Institute of Technology

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

The Challenges of Future Industrial CFD and CAE

Prof. Charles Hirsch, Prof. Em. Vrije,
Universiteit Brussel, Fellow of the Royal Academy
of Belgium for Sciences and Arts and President
of NUMECA International

10:00-10:20 **Coffee Break**

10:20-11:40 **1st Session - High-Order Numerical Methods
and LES Applications**

10:20-10:50 *Do you believe in MIRACLES? High-Order LES of
Rotorcraft Aerodynamics*

Yann Delorme and Steven Frankel, Faculty of
Mechanical Engineering, Technion, Israel

10:50-11:20 *High-Order Flux Reconstruction Method on
Unstructured Body-Fitted Grids: Implicit LES of
Transitional Flow and Active Flow Control*

Kunal Puri and Michael Laufer, Faculty of
Mechanical Engineering, Technion, Israel

11:20-11:50 *Numerical Simulation of Bluff-body Stabilized
Premixed Flames using Immersed Boundary
and Adaptive Moving Mesh Methods*

Yann Delorme and Steven Frankel, Faculty of
Mechanical Engineering, Technion, Israel

11:50-12:00 **Coffee Break**

12:00-13:20 **2nd Session - Aeroacoustics, Subgrid-Scale
Modeling, and Lattice Boltzmann Method**

12:00-12:30 *Aero-Acoustic Simulation of Wing Noise*

**Mickey Weidenfeld, Avshalom Manela, and
Eran Arad,** Rafael, Israel

12:30-13:00 *Subgrid-Scale Modeling for Large Eddy
Simulation of Atmospheric Turbulent
Boundary Layers*

Alon Manor, Israel Institute of Biological Research

13:00-13:30 *Lattice Boltzmann Method for Flapping Wing
Aerodynamics*

Nipun Arora, Faculty of Mechanical Engineering,
Technion, Israel

13:30-14:30 **Lunch Break**

14:30-16:30 **3rd Session - Hands-On Tutorial**

14:30-16:30 *Hands-on Tutorial: Learning Starccm+
Commercial CFD Software*

Michael Laufer, Faculty of Mechanical
Engineering, Technion, Israel (Farkas Computer
Classroom, 0th-floor (off lobby) of Dan Kahn building)

16:30-16:45 **Adjourn**