Target Audience:
Technical - Learn more about the technologies from both an academic and a practical perspective.

When: **April 19th, 9:00 - 18:00** (lunch is not included)

Location: Tel Aviv University, Claire and Emanuel G. Rosenblatt Auditorium The Wolfson Computer and Software Engineering Building

Free of charge to IMA, ACC and Shiluvim members Non IMA members: 100 NIS (not including VAT)

To register please send the following information to: tal.ron@imaworld.org
Full name
Company name
Mobile telephone
Email address
Job title

The goal of this seminar is to bring together researchers from academia and practitioners from the industry to present developments, research and contributions related to these technologies, including topics such as MIMO transmission, precoding, use of low rate feedback, adaptive antenna systems, diversity techniques, OFDM/A, HARQ, scheduling and MAC layer protocols, and advanced channel coding techniques.

**Agenda:**

09:00 - 09:15 Gathering

09:15 - 09:25 Opening
  Dr. Uri Erez, Electrical Engineering - Systems department at Tel Aviv University

09:25 - 09:30 Greetings
  Meir Feder, Head of the Advanced Communication Center

09:30 - 10:20 Entropic Vectors, Convex Optimization and Wireless Networks
  Babak Hassibi, California Institute of Technology

10:20 - 10:45 Oblivious Cooperation of Wireless Colocated Transmitters
  Shlomo Shamai, Technion - Israel Institute of Technology

10:45 - 11:10 Coffee Break

11:10 - 11:35 Beamforming and SDMA for Metro Wi-Fi
  Mati Wax, Founder and CTO - Wavion

11:35 - 12:00 WiMAX Basics and Emerging OFDM-MIMO Techniques
  Dr. Doron Ezri, CTO at Runcom

12:00 - 12:25 3G RAN Long Term Evolution (LTE): Capacity and Coverage Improvements Over Today's Cellular 3G Networks
  Daniel Yellin, Marvell
12:25 - 13:45 Lunch Break (meal not included)

13:45 - 14:35 Golden Space-Time Trellis Coded Modulation
    Emanuele Viterbo, University of Calabria

14:35 - 15:00 Robust Fast Link Adaptation for WiMAX Downlink
    Yuval Lomnitz, Intel

15:00 - 15:25 LDPC Code Standardization
    Eran Sharon, Department of EE Systems, Tel Aviv University

15:25 - 15:45 Coffee Break

15:45 - 16:10 Near Field Spatial Multiplexing
    Baruch Cyzs, CTO - Pallasium

16:10 - 16:45 WiMAX Deployment - Lesson Learned and Future Challenges
    Naftali Chayat, CTO, Alvarion

16:45 - 17:10 Broadband Over the Air
    Shay Gerstner, CTO, Alcatel - Lucent

17:10 - 17:25 Maximum Likelihood, Semi Blind Equalization for Doubly Selective Channels
    Gideon Kutz, Department of EE Systems, Tel Aviv University

17:25 - 18:00 Concluding Remarks