

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](mailto: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