## The Advanced Communication Center
## **Third Annual Workshop** Program

### Sunday, March 2nd , 2008, **08:30-18:00**
### Green House, Tel Aviv University

| Time | Title | Speaker | Affiliation |
|---|---|---|---|
| 08:30-08:50 | *Registration and coffee* | | |
| 08:50-09:00 | Welcome words | | |
| 09:00-09:10 | **ACC vision** | **Rami Zamir** | **TAU** |
| 09:10-09:30 | **Applications of Modulo-Lattice Modulation** | **Yuval Kochman** <br> ACC research | **TAU** |
| 09:30-9:50 | **Toward Efficient decoding of LDLC** | **Meir Feder** <br> ACC research | **TAU** |
| 09:50-10:40 | **4G Wireless Technology Vision** | **Siavash M. Alamouti** <br> Keynote Speaker | **Intel** |
| 10:40-11:10 | *Coffee Break* | | |
| 11:10-11:35 | **3GPP System Architecture Evolution and Long Term Evolution Background and Physical Layer Introduction** | **Yosi Rahamim** <br> Invited Speaker | **Motorola** |
| 11:35-12:00 | **MIMO schemes in 3GPP-LTE** | **Kobi Scheim** <br> Invited Speaker | **Comsys** |
| 12:00-12:20 | **Minimum Entropy Approach for Frequency Synchronization** | **Alon Biran** <br> ACC research | **TAU** |
| 12:20-12:40 | **Ultra Long Fiber Laser Key Distribution System Enhancing the Key-Establishing Rate** | **Doron Bar-Lev** <br> ACC research | **TAU** |
| 12:40-13:40 | *Lunch* | | |
| 13:10–14:00 | **HD Voice over IP Networks** | **Shabtai Adlersberg** <br> Keynote Speaker | **AudioCodes** |
| 14:00–14:20 | **Can speech enhancement techniques improve cell phones intelligibility?** | **Miriam Furst-Yust** <br> ACC research | **TAU** |
| 14:20–14:50 | **Gossiping in Networks: Towards Understanding the Power of Protocols and Network Coding** | **Bruce Hajek** <br> Keynote Speaker | **University of Illinois** |
| 14:50-15:20 | *Coffee Break* | | |
| 15:30–16:00 | **Towards nano-circuits** | **Yael Hanein** <br> ACC research | **TAU** |
| | **ACC Feder Prize for Best Student Research Work** | | |
| 16:00–16:20 | **The Most Favorable Impulsive Interference for Ternary CDMA** | **Moran Gariby** <br> Feder Prize Winner | **TAU** |
| 16:20–16:40 | **The Multi-Layer Broadcast Approach for Fading Channels** | **Avi Steiner** <br> Feder Prize Winner | **Technion** |
| 16:40–17:00 | **Wake-Up Scheduling Algorithm for Minimizing Energy Consumption in a Mesh Sensor Network** | **Boris Kapchits** <br> Feder Prize Winner | **Technion** |
| 17:00-17:30 | **ACC Feder Prize Ceremony** | | |
| 17:30-18:00 | **Cocktail** | | |



Details and free registration: **www.acc.tau.ac.il**