



EMEA RCCC, PARIS 2017

**Regional Chapter Chairs Congress
Israel Chapter**

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Chair, IEEE Israel COM Chapter

General Information

- **IEEE Israel Section has 15 chapters with >1300 members.**
- **180 active members at the Israeli COM chapter.**
- **We “bridge the gap between Academy and Industry” with much cooperation and common activities.**

2016 Activities

- COM chapter participated the 2016 IEEE Convention of Electrical and Electronics Engineers in Israel (ICSEE 2016).
- More than 20 talks were given by our COM members on various communication topics, such as Routing, Scheduling, Optical communication, Mobile Networks, Cellular networks and more... Eilat, 16-18.11.2016
- 3 days Communications Seminar, Harrods Hotel, Dead Sea, Israel 80 participants, 7 workshops with 7 speakers, 3-6.4.2017, Organized by AEAI (ComSoc sister society) and COM Chapter.



ICSEE 2016 in beautiful Eilat at the Queen of Sheba, Hilton

Support

ceClub is supported by the Israeli chapter of IEEE COMSOC and by the Technion Computer Engineering Center.



- The CE Club is a joint collaboration of COM Chapter and the [Technion](#)'s [CS](#) and [EE](#) faculties
- R&D Technical meeting every Wednesday at 11:30:
Systems and theory of networking, distributed systems etc.

ceClub technical meetings in 2017 (partial list)

Technology Considerations in Computer Architecture, Prof. Jean Luc Gaudiot
2017 IEEE Computer Society President, University of California

Temporal planning: towards highly utilized clouds,
Ishai Menache, Microsoft Research, Redmond

Challenges in Modeling, Optimization and Control of Energy Networks
Transmission and Distribution of Power and Natural Gas,
Dr. Chertkov Michael, Los Alamos National Lab (LANL)

From Theory to Practice: The Actual Outcome of Two 'Somewhat Disjoint' Network,
Jose Yallouz, Electrical Engineering, Technion and Intel

Cooperative Game Theoretic Models for Network Interconnections,
Gideon Blocq, Technion

A Brief History of Time in Software Defined Networks, Tal Mizrahi, technion

IoT-Enabled Community Care Provisioning for Sustainable Ageing-in-Place: A Singapore Example,

Tan Hwee Pink, School of Information Systems, Singapore Management University

Near Optimal Placement of Virtual Network Functions, Seffi Naor, Technion

Call for Papers



IEEE COMCAS 2017

International Conference on Microwaves, Communications, Antennas and Electronic Systems

David Intercontinental Hotel ■ 13-15 November 2017 ■ Tel Aviv, Israel

Papers are solicited in a wide range of topics:

Communications and Sensors

5G systems & millimeter wave propagation
Cognitive Radio & Spectral Sharing
Communications Security
First Responder/Military Communications
Green Communication
Internet of Things
Long Range Low Power Networks
Micro/Pico/Femtocell Devices and Systems
MIMO Antenna Systems for Communications
Modulation & Signal Processing Technologies
On-Body and Short Range Communications
Radio over Fiber & Optical/Wireless Convergence
Sensor Networks and Technologies
Software-Defined Radio & Multiple Access
Space-Time Coding and Systems

Biomedical Engineering

Advances in MRI: Technology, Systems and Applications
Medical RF, MW & MMW Applications and Devices
Medical Imaging and Image Processing

Microwave Systems, Radar, Acoustics

Aeronautical and Space Applications
RFID Devices/Systems/Applications
Automotive/Transportation Radar & Communications
Environmentally Sensitive ("Green") Design
UWB and Multispectral Technologies & Systems
Emerging System Architectures
Modelling Techniques for RF Systems
Radar Techniques, Systems and Applications
Sonar Systems and Applications
Wireless Power Transfer & Energy Harvesting
Terahertz Systems

Signal Processing (SP) and Imaging

Microwave Imaging and Tomography
Acoustic/Sonar Imaging and Techniques
Radar SP and Imaging, SAR, ATR
MIMO SP for Radar
Ground and Foliage Penetration Systems
Signal Acquisition and Sensor Management
DF, Emitter Location, Elint, Array Processing
Target Detection, Identification and Tracking
Data Fusion
Time Domain and UWB SP

Antennas, Propagation, and Scattering

Smart Antennas, Beamforming and MIMO
Wave Propagation and Channel Modeling
Wave Scattering and RCS
NanoEM, Plasmonics, and Applications
Metamaterials, FSS and EBG
EM Field Theory and Numerical Techniques
EM Interference & Compatibility, SI
Spectrum Management and Monitoring
ELF, RF, μ Wave, mmW and THz Measurements

Important Deadlines

Summary Submission:
May 20, 2017

Acceptance Notification:
July 5, 2017

Full Paper Submission:
September 4, 2017

www.comcas.org

Email: comcas@ieee.org

RF/MW Devices and Circuits, RFICs

Solid-State Devices, RFICs
 μ Wave, mmW and Sub-mmW Circuits/Technologies
Nano and THz Devices/Technologies
Microwave Photonics
Passive Components and Circuits
Filters and Multiplexers
Ferroelectrics, RF MEMS, MOEMS, and NEMS
Active Devices and Circuits
RF Power Amplifiers and Devices
Tunable and Reconfigurable Circuits/Systems
Analog/Digital/Mixed RF Circuits
Circuit Theory, Modeling and Applications
Interconnects, Packaging and MCM
CAD Techniques for Devices and Circuits
Emerging Technologies
Thermal Management for Devices

COMCAS 2017 continues the tradition of providing an international, multidisciplinary forum for the exchange of ideas, research results, and industry experience in the areas of microwave/RF/mm-wave engineering, communications, antennas, solid state circuits, electronic devices, engineering in medicine, radar, sonar and electronic systems.



Communications and Sensors (TPC Co-Chair: Dr. Steve Weinstein)

5G systems & millimeter wave propagation
Cognitive Radio & Spectral Sharing
Communications Security
First Responder/Military Communications
Green Communication
Internet of Things
Long Range Low Power Networks
Micro/Pico/Femtocell Devices and Systems
MIMO Antenna Systems for Communications
Modulation & Signal Processing Technologies
On-Body and Short Range Communications
Radio over Fiber & Optical/Wireless Convergence
Sensor Networks and Technologies
Software-Defined Radio & Multiple Access
Space-Time Coding and Systems

**IEEE ComSoc President's Certificate of Appreciation
to Shmuel Auster at COMCAS 2015**
presented by Dr. Doug Zuckerman



IEEE COMCAS Growth 2004-2017

	Year	# of Participants	Sessions/ rooms	Exhibition Booths
Local Symposium	1980-2002	30-70	3/1	0
1day	2004	170	4/1	0
1day	2005	300	4/2	17
1day	2006	400	9/3	31
1day	2007	530	9/3	42
International 2 days	2008	700	15/5	62
3 days	2009	900	48/6	80
3 days	2011	1200	57/6	87
3 days	2013	1400	40/6	98
3 days	2015	~1500	48/7	99
3 days	2017 (Planned)	~1500	48/7	99 (Full space)



IEEE COMCAS



IEEE ComSoc – AEAI: Fruitful Collaboration between Sister Societies



- AEAI is the leading association of engineers in Israel (>22,000 members).
- COM Chapter and AEAI have collaborated in organizing several technical meetings (Seminars, workshops etc.) in 2016 and 2017.
- ComSoc and AEAI are among the IEEE COMCAS 2017 co-sponsors (with MTTs, AES, APS, EuMA).



Thanks for your kind attention!

Shmuel Auster (Presenter)

Itai Dabran (Chapter Chair)

