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## Distinguished Lecturer Series



**Eilon Riess, Ph.D.**

Wireless Group Manager at GM R&D

## Upcoming Automotive Research Challenges: Communication Perspectives

**Abstract:** This talk will explore the automotive use cases and research challenges in the domain of vehicle intra and inter communication. The talk will explore the automotive platform for different and specific communication needs, challenges, and opportunities to meet coming vehicle trends in automated/autonomous driving and digital life.

Eilon Riess is the manager of the vehicle connectivity group at General Motors R&D in the Advanced Technical Center, Israel since 2012. His research areas include Communication systems aspects and solutions, Cellular communication standards, and Physical layers. He was previously with Sequans-communication as standards manager working on LTE; at Intel working on WiMax as Technical lead and research manager; working on smart antennas for WiFi at Wavion as director for advance technology; and was co-founder and CTO of Verticalband, a startup based on his Ph.D. He received his B.Sc. in EE from the Technion in 1996 and Ph.D. in digital communications ('blind detection for high order constellation') in 2003 from Imperial College, London.

14:00-16:00 on Wednesday, October 28, 2015 in the  
Harry and Carol Saal Auditorium, Alon Building for Hi-Tech (37/202).  
14:00-16:00 יום ד' 28 באוקטובר 2015 – בחדר 202 בבניין אלון (37/202)