



Naaser Neda

Associate Professor
Electrical Engineering

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PhD, CCSR, University of Surrey, Guildford, UK, Wireless Communications (2003)

MS, Sharif University of Technology, Tehran, Iran, Telecommunication Engineering (1994)

BS, University of Tehran, Iran, Electronic Engineering (1990)

Research:

Our group conducts research on different aspects in physical layer of wireless communication systems. We work on advanced wireless transmitter and receivers for OFDM, Multicarrier systems as well as UMTS, LTE, 5G standards. Additional and more recently research, includes network coding , sensor networks and new multiple access techniques like NOMA.

Teaching:

2018 (1397-1398) courses:

Introduction of wireless communications

Fundamental of digital communications

2017 (1396-13987) courses:

Introduction of wireless communications

Advanced topics in wireless communications (MCCDMA/OFDM/MIMO)

Signal & systems



Research Advisor

Fatemeh salehi (PhD candidate)

Mahdieh Ghasemloo (PhD candidate)

Graduated students

Younes Ahmadi (PhD), 2017, “Sensor Positioning in non homogenous environments”

Somayeh Khosroazad (PhD), 2017, “Physical layer network coding for wireless communication networks”

Recent Publications:

- Fateme Salehi , Mohammad Hassan Majidi, Naaser Neda, “Channel estimation based on learning automata for OFDM Systems”, *International journal of communication systems*, DOI: 10.1002/dac.3707, Accepted for publication: 18 April 2018.
- Somayeh Khosroazad, Ali Abedi, Naaser Neda, “Achieving maximum bit rate in a cognitive radio network with physical layer network coding”, *International journal of communication systems* , Vol. 31, NO. 10, pp 1-16, April 2018.
- Somayeh Khosroazad1, Naaser Neda, “Multi-channel tracking with different fading rates in an OFDM-PLNC network”, *Wireless personal communications*, Vol. 98, NO.1, PP 1015-1028, 2017.
- Javad Zeraatkar Moghaddam, Hamid Farrokhi, Naaser Neda, “Joint clustering relay selection and beam forming in cooperative cognitive radio networks”, *Wireless personal communications*, Vol. 95, NO. 4, pp 3602-3616, 2017.
- Younes Ahmadi, Naser Neda, Reza Ghazizadeh , “Range free localization in wireless sensor networks for homogeneous and non-homogeneous environment”, *IEEE sensor journal*, Vol. 16, NO. 22, pp 8018-8028, 2016