

Mehdi Teimouri

Assistant Professor

Faculty of New Sciences and Technologies, University of Tehran

Personal Details

Address	Faculty of New Sciences and Technologies, University of Tehran, North Karegar Ave., Tehran, Iran
Date of Birth	8 th January 1981
Language	Persian (Native), English
Voice	+98 21 6111 8563

Education

2005 – 2009	<i>Ph.D. in Electrical Engineering</i> School of Electrical and Computer Engineering, University College of Engineering, University of Tehran, Tehran, Iran
2003 – 2005	<i>M.Sc. in Electrical Engineering-Communications Engineering</i> School of Electrical and Computer Engineering, University College of Engineering, University of Tehran, Tehran, Iran
1999-2003	<i>B.Sc. in Electrical Engineering-Communications Engineering</i> School of Electrical and Computer Engineering, University College of Engineering, University of Tehran, Tehran, Iran

Research Interests

- ***Coding Theory and Applications***
- ***Multiple Antennas Communications***
- ***Signal Processing***
- ***Signals Intelligence***
- ***Decision Support Systems***
- ***Epidemics on Networks***

Journal Papers

- M. Teimouri, N. Rezaee, and A. Hedayat, "Concatenated Coded Modulation Techniques and Orthogonal Space-Time Block Codes in Presence of Fading Channel Estimation Errors," *IET Communications*, vol. 4, no. 2, p. 135-143, January 2010.
- M. Teimouri, A. Hedayat, and M. Shiva, "Concatenated Bit-Interleaved Coded Modulation

and Orthogonal Space-Time Block Codes over Fading Channels,” *IET Communications*, vol. 3, no. 8, p. 1354-1362, August 2009.

- M. Teimouri, N. Rezaee, and A. Hedayat, “Error Probability Bounds of Concatenated Channel Codes and Differential Space-Time Block Codes,” *IEEE Signal Processing Letters*, vol. 16, no. 8, pp.663-666, August 2009.
- M. Teimouri and M. Shiva, “Concatenated Space-Time Block Coding with Trellis Coded Modulation over Fading Channels in the Absence of Channel State Information,” *IEEE Transaction on Wireless Communications*, vol. 7, no. 12, Part 1, pp. 4854-4858, December 2008.
- M. Teimouri and N. Rezaee, “Rate Allocation for Serial Concatenated Convolutional Codes,” *IET Communications*, vol. 1, no. 1, p. 79-85, February 2007.

Conference Papers

- M. Heydari and M. Teimouri, “Evaluation of Data Mining Classification Techniques for Liver Disorder,” The sixth Iran Data Mining Conference, 18-19 December 2102, Tehran, Iran.
- R. Zargarinejad, M. T. Hamidi Beheshti, and M. Teimouri, “Fluid Modeling for GPRS Uplink Traffic,” in *proc. SSST 2009*, 15-17 March 2009, Tullahoma, TN, USA, pp. 251-254.
- M. Rakhshanfar, M. Teimouri, and Zabihollah HassanShahi, “Implementation of Software Radio Based on PC and FPGA,” in *proc. ICCSC 2008*, 26-28 May 2008, Shanghai, China, pp. 633 - 637.
- M. Teimouri, E. Vahedi, A. Nasiri Avanaki, and Z. Hasan Shahi, “An Efficient Denoising Method for Color Images,” in *proc. ISSPA 2007*, 12-14 Feb. 2007, Sharjah, UAE, pp. 1-4.

Books

- Mehdi Teimouri, *Simulation and Analysis of Digital Communication Systems Using MATLAB*, KianRayaneh Publications, Tehran, Iran, 2011.
- Rahil Zargarinejad, Morteza Teherkhani, and Mehdi Teimouri (editor), *Electric Circuits 1*, Kian Publications, Tehran, Iran, 2013.
- Rahil Zargarinejad, Morteza Teherkhani, and Mehdi Teimouri (editor), *Electric Circuits 2*, Kian Publications, Tehran, Iran, 2013.

Review board of scientific journals

- IET Communications
- IEEE Transaction on Vehicular Technology
- IEEE Signal Processing Letters
- IEEE Transaction on Wireless Communications
- IEEE Transaction on Communications

Honors

- Ranked 1st Among M.Sc. students in School of Electrical and Computer Engineering, University College of Engineering, University of Tehran, Tehran, Iran, 2003-2005
- Ranked 22th Among 12,000 Participants in the Nationwide Electrical Engineering Entrance Exam for Graduate Studies (Communications Section), Iran, 2003

Academic Appointments

- Associate Professor of Faculty of New Sciences and Technologies, University of Tehran, 2011-present

Teachings

- Application of Intelligent Systems in Medicine (Fall 2012 - University of Tehran)
- Biomedical Signal and Image Processing (Fall 2012 - University of Tehran)
- Application of Intelligent Systems in Medicine (Spring 2012 - University of Tehran)
- Signals and Systems (Fall 2011 - University of Tehran)
- Applications of Information Technology in Medicine and Health (Fall 2011 - University of Tehran)
- Principles of Electrical Engineering (Spring 2011 - University of Tehran)
- Communication Systems (Fall 2010, Islamic Azad University, West Tehran Branch)

Industrial Appointments

- Research Manager
DSP Research Center, Tehran, Iran, 2010-2012
 - Blind Channel Coding Recognition
- Research Assistant
Iran Telecommunication Research Center, Tehran, Iran, 2007-2008
 - Channel Coding Design for Broadband Satellite Communications

- Research Assistant/Manager
Nasr Electronic and Communication Research Center, Tehran, Iran, 2005-2012
 - Blind Modulation Recognition
 - Design and Implementation of GSM Monitoring System
 - Design and Implementation of GPRS Monitoring System

- Research Assistant
Resana Afzar Sharif Co., Tehran, Iran, 2003-2004
 - Tropospheric Channel Modeling
 - Radio Data System (RDS)