Curriculum Vitae

Mohammad Reza Zoghi

PERSONAL

Address: -Shariat 8 Alley- Shareati St.- Kashan- Iran
Date of birth: 19th January 1975
Place of birth: Kashan
Tel: (+98)55912429
Email: zoghi@kashanu.ac.ir
Websites: http://zoghi.kashanu.ac.ir

EDUCATION

Phd 2003-2011	Electrical Engineering	Iran University of Science and Technology
M.Sc. 1997-2000	Electrical Engineering	Tarbiat Modares University
B.Sc. 1993-1997	Electrical Engineering	Isfahan University of Technology

Thesis

- **Senior project:** "Design and Simulation of DC Commutation Circuits".

Advisor: Dr. Hosein Farzanehfard

- **Master's thesis title:** "Hardware and Software Design of BUS for LANE".

Advisor: Dr. Shahrokh Valaee

- **Phd's thesis title:** "Sensor Management in Wireless Sensor Networks for Target Tracking".

Advisor: Dr. Mohammad Hosein Kahaei

PROFESSIONAL EXPERIENCE

Teaching in University of Kashan	2011-present
Teaching Assistant in Signal Processing LAB	2003-2009
Teaching in Kashan Islamic Azad University	2001-2003

RESEARCH INTERSTS

Statistical Signal Processing
Array Signal Processing
Target Tracking, Localization/Positioning
Wireless Sensor Networks

PUBLICATIONS

- **ISI Journals**

1. M. R. Zoghi and M. H. Kahaei, "Adaptive Sensor Selection in WSN for Target Tracking," *IET signal processing*, vol. 4, no. 5, pp. 530-536, Oct. 2010.
2. M. R. Zoghi and M. H. Kahaei, "Sensor Management under Tracking Accuracy and Energy Constraints in Wireless Sensor Networks," *Arab. J. Sci. Eng.*, vol. 37, no. 3, pp. 721-734,Feb. 2012.
3. M. R. Zoghi and M. H. Kahaei, "Adaptive Sensor Management Based on Spatial Correlation in Wireless Sensor Networks," *IEICE Trans. On Communications,* vol. E94-B, no. 6, pp. 1598-1605, Jun. 2011.

- **Conference Papers**

1. M. R. Zoghi and M. H. Kahaei, "Target Tracking In Collaborative Sensor Networks By Using A Decentralized Leader-based Scheme," *Information Sciences, Signal Processing and its Applications*, Feb. 2007.

2. M. R. Zoghi and M. H. Kahaei, "Decentralized Target Tracking in Collaborative Sensor Networks by using Sensor Selection Scheme," *12th Int. Computer Conf. of CSI,* 2007.

3. M. R. Zoghi and M. H. Kahaei, "Sensor Selection for Target Tracking in WSN Using Modified INS Algorithm," *3th Int. Conf. on Information & Communication Technologies: from Theory to Applications (ICTTA)*, 2008.

4. M. R. Zoghi and M. H. Kahaei, "Sensor Selection in WSN Using Spatial Split Algorithm for Target Tracking," *13th Int. Computer Conf. of CSI*, 2008.

5. M. R. Zoghi and M. H. Kahaei, "Sensing Range Modification of Spatial Split Algorithm for High Speed Target Tracking in WSN," *IST2008*, Aug. 2008.

6. M. R. Zoghi and M. H. Kahaei, "Efficient Sensor Selection Based on Spatial Correlation in Wireless Sensor Networks," *14th Int. Computer Conf. of CSI*, 2009.
7. M. R. Zoghi and M. H. Kahaei, "Sensor Selection for Target Tracking in a Wireless Network of Power-Measurement Sensors," *IST*2010, Dec. 2010.