

Curriculum Vitae

Kourosch Hassanli

Born on August 14, 1977

Contact Information:

Assistant Professor

Department of Electrical and Electronics Engineering,
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Professional Education:

- Doctor of Philosophy (Ph.D.) in Electrical Engineering (Electronics), Isfahan University of Technology, Isfahan, Iran, (2010-2016)
Ph.D. dissertation: "*Design and Implementation of a Digital CMOS Image Sensor, with Emphasizing on Improvement of the Sensor Sensitivity, Resolution, and Dynamic Range*".
- Master of Science (M.Sc.) in Electrical Engineering (Electronics), Iran University of Science and Technology, Tehran, Iran (2000-2002)
M.Sc. thesis: "*design and implementation of a self-test ALU*".
- Bachelor of Science (B.Sc.) in Electrical Engineering (Electronics), Shiraz University, Shiraz, Iran (1995-2000)

Research Interest:

- CMOS ASIC design
- VLSI circuits and systems
- Embedded systems
- Energy harvesting systems
- Smart CMOS sensors
- Smart vision systems
- Mixed-signal design
- Low-power circuits
- Data converters
- Fault-tolerant systems

Works Experience:

- Assistant professor, Department of Electrical and Electronics Engineering, Shiraz University of Technology, (2016-present).
- Administrator of Microelectronic and Electro-Optic Research Center (MEORC) Lab., Isfahan University of Technology (2015-2016)
- Project manager and Researcher Assistant, MEORC Lab, Isfahan University of Technology (2011-2016).
- Visiting lecturer, Department of Electrical and Computer Engineering, Isfahan University of Technology (2011-2016).

- Lecturer, Department of Electrical Engineering, Azad university-Jahrom Branch (2002-2010).
- Visiting lecturer, Department of Electrical and Electronics Engineering, Shiraz University of Technology (2003-2008).
- Electrical Engineer, Besat Research Center (2003-2006).
- Instrument Engineer, Mashaldaran, Oil Ministry (2001-2002).

Honors and Awards:

- Best Graduated B.Sc. student (among 195 student) in Department of Electrical Engineering, Shiraz University, Shiraz, Iran, 2000.
- Ranked 2nd M.Sc. student in Department of Electrical Engineering, Iran University of Science and Technology, Tehran, Iran.
- Honorary Admission for Graduate Study-Accepted as a Talented Student for graduate studies in Iran University of Science and Technology.

Publications:

Journal Publications:

1. P. Amiri, Z. Kordrostami, K. Hassanli, "Design of a MEMS bionic vector hydrophone with piezo-gated MOSFET readout", *Microelectronics Journal*, vol. 98, 2020.
2. Z. Kordrostami, K. Hassanli, A. Akbarian, "MEMS piezoresistive pressure sensor with patterned thinning of diaphragm", *Microelectronics International*, vol. 37, 2020, pp. 147-153
3. K. Hassanli, S.M. Sayedi, J.J. Wikner, "High Resolution Digital Imager Based on Time Multiplexing Algorithm", *IEEE sensors Journal*, vol. 17, 2017, pp. 2831 - 2840.
4. K. Hassanli, S.M. Sayedi, J.J. Wikner, "A compact, low-power, and fast pulse-width modulation based digital pixel sensor with no bias circuit", *Journal of sensors and actuators A: physical*, vol. 244, 2016, pp. 243–251.
5. K. Hassanli, S.M. Sayedi, R. Dehghani, A. Jalili, J.J. Wikner, "A low-power wide tuning-range CMOS current-controlled oscillator", *Integration, the VLSI journal*, vol. 55, 2016, pp. 57–66.
6. K. Hassanli, S.M. Sayedi, R. Dehghani, A. Jalili, J.J. Wikner, "A highly sensitive, low-power, and wide dynamic range CMOS digital pixel sensor", *Journal of sensors and actuators A: physical*, vol. 236, 2015, pp. 82-91.

Conference Publications:

1. K. Hassanli, A. Khayatzadeh Mahani, H. Shahhoseini, E. Teimoury "Queuing Analysis for Reconfigurable Computing", *Power Electronics and Intelligent Transportation System (PEITS)*, china, 2-3 Aug, 2008, pp. 284-288.
2. K. Hassanli, A. Khayatzadeh Mahani, M. Naderi, "The Impact of Hidden Terminal on MANET Performance", *The 13th CSI international computer conference (CSICC)*, Kish island, Persian gulf, Iran, march 2008.
3. A.A. Safavi, K. Hassanli, H. Shodjai, " APCONGUI: An environment to study advanced control in MATLAB " *Proceeding of the international conference on system Identification and Control Problems. (SICPRO)*, Moscow, Russia, sept. 2000, pp.1755-1760.