



NAME & SURNAME: Hooman Kaabi

DATE OF BIRTH: 1969



ADDRESS, SUBURB, STATE, POSTAL CODE: Electrical Engineering Department,
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PROFESSIONAL PROFILE:

Associate Professor of Electrical Engineering in Shahid Chamran University (SCU) of Ahvaz, Iran

EDUCATION BACKGROUND:

Ph.D.: Faculty of Electrical Engineering (2005), IRAN University of Science and Technology, Tehran, IRAN

Thesis title:

Design and Simulation of Current Conveyor based Band-Pass Sigma-Delta Modulators

M.Sc.: Faculty of Electrical Engineering (1997), IRAN University of Science and Technology, Tehran, IRAN

Dissertation title:

Design and Implementation of a 4-20mA CO gas Transmitter.

B.S.: Faculty of Engineering (1990), Tehran University, Tehran, IRAN

TEACHING AND TRAINING EXPERIENCE:

- Circuit Theory

- Electronic Circuits
- Digital Circuit design
- Pulse and switching circuits
- Industrial Electronics
- Microprocessor
- RF microelectronics
- Micromachined sensors and actuators

HONOURS AND AWARDS:

INTERESTS AND RESEARCH FIELDS:

- Analog Electronics
- RF integrated Circuits
- Instrumentation and Measurement
- Digital circuit design
- Automation

RESEARCH ACTIVITIES:

PUBLICATIONS:

- A Novel Fully-Differential Second-Generation Current- Conveyor Based Switched-Capacitor Resonator , Mostafa Moridi ,Hooman Kaabi , , Journal of Basic and Applied Scientific Research , 2013-02-19 , 8235-8239 , USA - امریکا - new york
- A 1-25GHz CMOS Switched T-attenuator with Improved Attenuation Range and Flatness , mehdi askari ,Hooman Kaabi ,Yousef Seifi Kavian ,shahrzad ajabi , , International Journal of Engineering & Technology Sciences (IJETS) , 2015-06-01 , 239-243 , malaysia - malazia - امريکا - new york
- A 24 GHz reflective-type phase shifter with constant loss in 0.18 μ m CMOS technology , mehdi askari ,Hooman Kaabi ,Yousef Seifi Kavian , , International Journal of Electronics and Communications (AEÜ) , 2015-08-01 , 1134-1142 , USA - امریکا - امریکا
- A switched T-attenuator using 0.18 μ m CMOS optimized switches for DC-20 GHz , mehdi askari ,Hooman Kaabi ,Yousef Seifi Kavian , , International Journal of Electronics and Communications (AEÜ) , 2015-12-01 , 1760-1765 , USA - امریکا - امریکا
- Optimization of on-chip spiral inductors using coupled NN and TLBO algorithms for low-loss lumped-element CMOS power dividers , mehdi askari ,Hooman Kaabi ,Yousef Seifi Kavian , , Journal of Intelligent & Fuzzy Systems , 2016-03-10 , 2029-2036 , holland - هلند - sadas

- A Wideband 5-bit Switched Step Attenuator in 0.18 μm CMOS Technology , mehdi askari, Hooman Kaabi, Yousef Seifi Kavian, Shahrzad Ajabi, IETE Journal of Research , 2016-07-05 , 295-300 , England_united kingdom
- Numerical modeling of thermal behavior and structural optimization of a-Si:H solar cells at high temperatures , Jabbar Ganji, Abdolnabi Kosarian, Hooman Kaabi, Journal of Computational Electronics , 2016-12-21 , 1541-1553 , USA - new york
- A 10–40 GHz switched step attenuator in 0.13 μm CMOS technology , Mehdi Askari, Hooman Kaabi ,Yousef Seifi Kavian , International journal of electronics letters (IJEL) , 2017-04-03 , 166-176 , USA
- Carrier Frequency Offset Estimation in OFDM Systems as a Quadratic Eigenvalue Problem , Amin Eslahi , Alimorad Mahmoudi ,Hooman Kaabi, Radioengineering , 2017-12-16 , 1138-1142 , czech republic - fgsgdfg - perag
- A novel method for finding the best excitation frequency of MEMS vibratory gyroscope, Meghdad Mohammadi, Hooman Kaabi, Karim Ansari-Asl , MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS , 2018-02-13 , 1623-1630 , USA - new york
- An analog circuit model for drive mode of MEMS vibratory gyroscope , Meghdad Mohammadi, Hooman Kaabi, Karim Ansari-Asl, MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS , 2018-06-01 , 2701-2709 , USA - new york
- Automatic detection and segmentation of blood vessels and pulmonary nodules based on a line tracking method and generalized linear regression model , Amal Eisa pour Moghadam, Gholamreza Akbarizadeh, Hooman Kaabi ,Signal, Image and Video Processing , 2019-04-05 , 457-464 , England_United kingdom - london
- Change detection in SAR images using deep belief network: a new training approach based on morphological images, Farnam Samadi Malmiri, Gholamreza Akbarizadeh, Hooman Kaabi, IET IMAGE PROCESSING , 2019-10-17 , 2255-2264 , England_United kingdom - HERTFORD - HERTFORD
- Predicting the energy consumption in software defined wireless sensor networks: a probabilistic Markov model approach, Atefeh Rahimi far, Yousef Seifi Kavian, Hooman Kaabi ,Mohammad Soroosh , JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, 2020-01-08 , 1-14 , Germany - Heidelberg - Heidelberg
- PolSAR image segmentation based on feature extraction and data compression using Weighted Neighborhood Filter Bank and Hidden Markov random field-expectation maximization , Zeinab Tirandaz, Gholamreza Akbarizadeh, Hooman Kaabi, Measurement, 2020-03-01 , 1-15 , England_United Kingdom
- Novel CPG algorithm for tracking fast sudden changes based on tangent rule , ARMAN CHARDAH CHARIC, Hooman Kaabi, Ebrahim Farshidi, INTERNATIONAL JOURNAL OF ELECTRONICS , 2020-06-01 , 0-0 , England_United kingdom - OXON
- Novel Design for a Low-Latency CORDIC algorithm for sinecosine computation and its Implementation on FPGA, Forouzan Salehi, Ebrahim Farshidi, Hooman Kaabi, MICROPROCESSORS AND MICROSYSTEMS , 2020-09-20 , 1-10 , Holland - Sadas

CONFERENCE PRESENTATIONS:
RESEARCH PROJECTS:

Curriculum Vitae



PROFESSIONAL MEMBERSHIPS:

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LANGUAGES:

PERSIAN: Native
ENGLISH: Medium