Curriculum Vitae (C.V.)

Masoud Amiri

Birthdate: November 22, 1986

Birthplace: Kermanshah/IRAN

Nationality: Iranian

Marital Status: Married

Contact Addresses

Address: Health Technology center of Kermanshah University of Medical Sciences, Kermanshah, Iran

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Education

2017- ….   Phd student. on Electronics, Amir kabir University, Tehran, Iran

2015 -2016: M.Sc. on Electronics, Islamic Azad University of Kermanshah, Kermanshah, Iran.

2010-2012 : M.Sc. on Electronics, Amir kabir University, Tehran, Iran.

2006-2010: B.Sc. on Electrical Engineering (Electronics), Razi University of Kermanshah, Kermanshah, IRAN.

B.Sc. Thesis

Title: Design of Spirometry measurement device

M.Sc. Thesis

Title: New de-synchronization method in a network of tripartite synapses through the control of processing system of zynq using the Programable Logic

Publications

Journals (Published)

[1] Nazari, S., Amiri, M., Faez, K., & Amiri, M. (2015). Multiplier-less digital implementation of neuron–astrocyte signalling on FPGA. *Neurocomputing*, *164*, 281-292.

https://www.sciencedirect.com/science/article/pii/S0925231215001903

[2] Piri, M., Amiri, M., & Amiri, M. (2015). A bio-inspired stimulator to desynchronize epileptic cortical population models: a digital implementation framework. Neural Networks, 67, 74-83.

https://www.sciencedirect.com/science/article/pii/S0893608015000398

[۳] Shobiri, E., Amiri, M., Haghighat, M. J., Piri, M., Izadi, B., Amiri, M., ... & Najafi, F. (۲۰۱۶). ارزش تشخیصی سیستم تصویربرداری امپدانسی در بیماران با توده پستانی. *Journal of Kermanshah University of Medical Sciences (J Kermanshah Univ Med Sci)*, *19*(7).

[4] Amiri, M., Amiri, M., Nazari, S., & Faez, K. (2016). A new bio-inspired stimulator to suppress hyper-synchronized neural firing in a cortical network. *Journal of Theoretical Biology*, *410*, 107-118.

https://www.sciencedirect.com/science/article/pii/S0022519316302958

[5] Digital configuration of astrocyte stimulation as a new technique to strengthen the impaired astrocytes in the tripartite synapse network.M Amiri, S Nazari, M Janahmadi.Journal of omputational Electronics 17 (3), 1382-1398

Honors

- Received 5 patents certificate in "2010", "2013", "2014", "2014", "2016" respectively.
- Candidate of student yearbook, (۲۰۱۶). "همه آنچه که درباره یک مخترع و یک اختراع باید بدانیم" from "Publications (SID) of Tehran University".
- Publications Ministry of Health " دانشگاه های آینده "
- Top question designer in province (2011).
- Outstanding teacher in province in the field of electronics (2012).

Membership

- Activity as a referee in the patent Office of Iran.
- Member of the National Elites Foundation from 2010.
- Activity as a referee in the INSF institute.

Research Interests

- Neuromorphic Engineering

- FPGA Digital Circuits design
- Analog Circuit Design
- Brain Machine Interface
- Parallel Programming
- Neural Networks

Languages

Persian: native

Kurdish: native

English: Reading, Listening, Speaking, Writing

Computer Skills

Programming Languages

C , C++, C#, Basic, Verilog, VHDL, VHDL-AMS.

API

SystemC, CUDA, MPI, Pthread.

Scientific Software

MATLAB, Modelsim, ISE, HSpice, Visual Studio, Hamster, Keil.

OS

Microsoft Windows, Linux

Typography

Microsoft Office, Latex

Reference

Dr. Mahmood Amiri

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