Curriculum Vitae

PERSONAL DETAILS:

Name: Fars Esmat Fathel Samann

Date of Birth: 22/06/1988

Designation: Lecturer

Position: Member of Science Committee at Biomedical Engineering Department

Department: Biomedical Engineering

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Address office: Department of Biomedical Engineering, University of Duhok, Zakho Street 38, 1006AJ Duhok, Room C12 ,Kurdistan region, Iraq.

ACADEMIC QUALIFICATIONS:

- B.Sc. in Electrical and Computer Engineering, awarded on 10th of July 2011 from the University of Duhok, Kurdistan, Iraq. **Rank is first out of 31 students with average mark of 76.019%**
- M.Sc. in Electronic Communications and Computer Engineering," Interchannel and cross gain crosstalk effects in WDM systems with SOAs" , awarded on 12th of December 2014 from the University of Nottingham, Nottinghamshire, UK. **Special awarded is distinction and average mark of 79%**

AWARDED CERTIFICATES AND APPRECIATION LETTER:

- Cisco certificate CCNA level 1 with honor
- Certificate from Adgar Kurd Scientific Group (4th IT Festival in Kurdistan)
- Certificate from Centre for English Language Education (CELE) with Distinction, awarded on 22nd of March 2013 from the University of Nottingham
- Certificate in Methods of Teaching from Training and Development Center/University of Duhok, awarded in May 2015
- Certificate from the 2nd international summer school in the module of "Signal and Image processing in Medicine" as a part of the master course of Biomedical Engineering, awarded on 10th of September 2019 with assessment of very good
- Appreciation letter from Dean of Engineering Department for receiving the best assessment in student feedback, portfolio and CAD, awarded on 23th of April 2019

- Appreciation letter from Dean of Engineering Department for preparing the Design Day event 2019, awarded on 20th of May 2019

PROFESSIONAL AFFILIATION/MEMBERSHIP:

- Member of the Kurdistan engineers Union since 2011
- Member of IET since 2013 till 2014
- Member of BMT 2019

COMMITTEE MEMBERSHIP:

- Examination Committee at Electrical and Computer Engineering Department
- Quality of assurance Committee at Electrical and Computer Engineering Department
- Final Year projects Committee at Electrical and Computer Engineering Department
- Internship Committee at Electrical and Computer Engineering Department
- Science Committee at Biomedical Engineering Department
- Design Day of ECE department committee

WORKING EXPERIENCE:

- Rapporteur of the Electrical and Computer Department form 10/11/2016 to 01/02/2020
- Teaching Signals and systems for 2nd stage
- Teaching Electrical Circuit I for 1st stage
- Communication system LAB (Laboratory instructor)
- Advanced Communication LAB (Laboratory instructor)
- Signals and Systems LAB (Laboratory instructor)
- Engineering Drawing (Laboratory instructor)

PUBLISHED PAPERS:

[1] F. Samann, A. Rausch, and T. Schanze (2019), 'Electrical Dipole Source Localization using Hybrid Least Squares Method in combination with ICA', in *53rd Annual Conference of the German Society for Biomedical Engineering*.

[2] F. Samann and T. Schanze (2019), 'An efficient ECG Denoising method using Discrete Wavelet with Savitzky-Golay filter', in *53rd Annual Conference of the German Society for Biomedical Engineering*.

[3] F. Samann (2018), 'Real-time Liquid Level and color Detection system using Image Processing', *Academic Journal of Nawroz University.*, vol. 7, no. 4, pp. 223–227.

[4] F. Samann and M. Subhi Hadi (2018), 'HUMAN TO TELEVISION INTERFACE FOR DISABLED PEOPLE BASED ON EOG', *Journal of Duhok University*, vol. 21, no. 1, pp. 54–64.

[5] F. Samann (2017), 'SIMPLE AND ROBUST EYE MOVEMENTS DETECTION METHOD', *Journal of Duhok University.*, vol. 20, no. 1, pp. 152–163.

ACTIVITIES:

- Participating in Innovation Expo of Duhok Province Universities 2017 with project title "Adapted TV remote control using EOG". This event was funded by European Union and implemented by UNDP.
- Participating in the 2nd International Summer School on Cyprus part of the master course of "Biomedical Engineering" of the module "Signal and Image processing in Medicine" (6 ECTS). (this program was Granted by DAAD).
- Participating in the DAAD project "Bioniq- Bio/MedPhys" to visit university of applied science, THM, Giessen in the period 1st of October 2018 to the 31th of December 2018, working on my PhD proposal in the field of Biomedical Engineering.
- Participate in the DAAD project "Sustainable Development of Biomedical Engineering in Northern of Iraq-SD-BIONIQ" to visit university of applied science, THM, Giessen in the period 1st of September 2019 to the 30th of November 2019, working on my PhD proposal in the field of Biomedical Engineering.

- Developing Msc project "LOCALIZATION OF MONOPOLE AND DIPOLE SOURCE IN 3 DIMENSIONS" for the Msc students of university of applied science, THM, Giessen as a part of the DAAD project "Bioniq- Bio/MedPhys".
- Training on EEG recording in Azadi Hospital for three months since 27th of March 2019

AREA OF INTEREST:

- Sparse and Redundant Representations
- Sparse modeling of biomedical signals
- Biomedical Signal Processing
- Biomedical Engineering
- Digital Signal Processing