Babak Maser

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Affiliation

Student of Joint M.Sc. program in Applied Image and Signal Processing (AISP), Department of Computer Science, University of Salzburg and Salzburg University of Applied Sciences.

Education

- Joint M.Sc. Applied Image & Signal Processing, Department of computer Science, University of Salzburg and Salzburg University of applied Sciences, 2016 - Present.
- M.Sc Computer Science, Department of Computer Science, Fergusson College affiliated to University of Pune, India, GPA: Higher Second Class.
- B.Eng. Chemical Engineerng, AU, Iran.

Research Interest

- Medical Imaging
- Image Processing & Computer vision
- Media Security & Biometrics system.
- Satellite Imaging, GIS.
- Machine Learning/Intelligence & Pattern Recognition

Publication/Proceeding Paper

2019

ICB 2019 **PRNU-based finger vein sensor identification On the effect of different sensor croppings**, *Greece*, Accepted.

IWBF 2019 **PRNU-based Detection of Finger Vein Presentation Attacks**, *Mexico*, Accepted.

ICBEA 2019 **Finger Vein Image Compression With Uniform Background**, *Stockholm, Sweden*, Accepted, This paper will be published in ACM Conference Proceedings (ISBN: 978-1-4503-6305-1) and submitted to be reviewed by Thomson Reuters Conference Proceedings Citation Index (ISI Web of Science).

ARW/OAGM 2019 **PRNU-based Finger Vein Sensor Identification in the Presence of Presentation Attack Data**, *Austria*, Accepted.

2018

BIOSIG 2018 **Finger-vein Sample Compression in Presence of PreCompressed Gallery Data**, *in International Conference of the Biometrics Special Interest Group*, BIOSIG 2018: Darmstadt, Germany.

Academic Projects

- Medical Imaging Project: Measurement of pennation angle (PA) of pinnate muscle, winter semester of 2016
- Project: People counting using UCSD Pedestrian dataset with deep learning approach, 2017.
- Project: Detection of Morphed Face Images using Deep learning. This project was done by Pytorch framework with AlexNet model, 2017/18.
- Project: A Survey on effect of pre-processing and Feature extraction on Fingure-vein recognition using SIFT, SURF, BRIEF and ORB. 2017/18
- Project: Semantic word vectors using word2vec, 2018.

Work Experience

University Teaching: Adjunct lecturer

2012-2014 **University of applied science and Technology** .

- Software modeling and design (OOAD, UML 2.1),
- Object Oriented Programming (OOP),
- Computer Networking,
- ICT (Mobile Networking and mobile network protocol),
- Machine Language and assembly programming.

IT Industry

2013-2015 **System Analyst** , *Knauf Company, Tehran, Iran*.

2012-2013 **Software Architect and project manager** , *at Tehran Rayaneh Shahr company*.

2009–2011 **Project manager and coordinator for development of News-Room automation software**, *SAAT Co. Ltd. company*.

2008–2009 **System Analyst for TV station customized software** , *Jooya Informatics Group*.

Technical Skills

- Programming Language: Python,openCV-python image Pocessing Library, Matlab
- Tools: Pycharm, Jupyter Notebook, Gnu-plot, matlibplot, Latex

Course

- Image Processing & Computer Vision, Advance Computer Vision, Media Data Formats (Data Compression Techniques), Machine Learning, Multimedia Security, Medical Imaging, Filterbanks and Wavelets, Biometric Systems, Pattern Recognition I & II, Advanced Mathematics for Computer Science (Fourier analysis), Signal and System I & II, Digital Signal Processing I & II.