

# SAEED BARKABI ZANJANI

MS.C STUDENT OF ELECTRICAL ENGINEERING – BIOMEDICAL IMAGE PROCESSING

## ◦ DETAILS ◦

Taiwan, Chiayi Township,  
National Chung Cheng University,  
BioMedical Signal Processing Lab  
[barkabi@gmail.com](mailto:barkabi@gmail.com)

## ◦ SKILLS ◦

Machine Learning Frameworks:

PyTorch, TensorFlow, Keras,  
CUDA, OpenCV

Programming Languages:

Python, C, C++, Java, Matlab

Optimization:

CPLEX

Network Programming:

Openflow Controllers (SDN  
Networks): POX, ONOS

Network Switches and Routers:

HP Routers (3500, 5900, ...), Cisco  
Routers (3750, ...)

Fibbing (Legacy Networks)

P4 (Data-Plane Networking)

Network Simulator and  
Emulators:

Cisco Packet Tracer, GNS3, Mininet

Image Processing, Video  
Processing, Domain Adaptation,  
Classification, Object Detection,  
Pattern Recognition, Natural  
Language Processing

## ◦ LANGUAGES ◦

Persian

Azeri

English

Traditional Chinese

French



## PROFILE

MS.c Student of Electrical Engineering – Biomedical Image Processing (Graduated by Summer 2022).

My working scope and professional interests in Computer Vision:

Biomedical Image Processing, Object Detection, Domain Adaptation, Generative Models, VAEs, GAN, Transformers, Attention Networks.



## EDUCATION

### MS.c of IT Engineering (Communication Networks)

Iran Sahand University of Technology, Sahand New Town, Tabriz, Iran.

[www.sut.ac.ir](http://www.sut.ac.ir)

### BS.c of IT Engineering

Iran Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

[www.iasbs.ac.ir](http://www.iasbs.ac.ir)



## PUBLICATIONS AND WORKSHOPS

### Journal Papers:

1. Saeed Barkabi and Akbar Ghaffarpour Rahbar, "LC-DLA: A Fair Congestion-Aware Distributed Lightpath Allocation Mechanism," accepted for publication in Elsevier OPTIK - International Journal for Light and Electron Optics.
2. Saeed Barkabi and Akbar Ghaffarpour Rahbar, "MC-BRM: A Distributed RWA Algorithm with Minimum Wavelength Conversion", accepted for publication in Elsevier Optical Fiber Technology (OFT).
3. Saeed Barkabi and Steven Lee, "Dynamic Path Provisioning for Load Balancing in Fibbing Controlled IP Networks", Journal of Network and Systems Management (JONS), Submitted.

### Conference Papers:

1. S. Lee, K. Li and B. Zanjani, "Routing and Working Topology Assignment for Energy Efficient Fibbing-Controlled IP Networks," 2019 International Conference on Internet of Things (iThings) and IEEE Green Computing and Communications (GreenCom) and IEEE Cyber, Physical and Social Computing (CPSCom) and IEEE Smart Data (SmartData), Atlanta, GA, USA, 2019, pp. 737-743, doi: 10.1109/iThings/GreenCom/CPSCom/SmartData.2019.00137.
2. S. B. Zanjani, K. Li, S. S. W. Lee and Y. Chu, "Path Provisioning for Fibbing Controlled Load Balanced IP Networks," 2018 Tenth International Conference on Ubiquitous and Future Networks (ICUFN), Prague, 2018, pp. 154-158, doi: 10.1109/ICUFN.2018.8436993.
3. Saeed Barkabi and Akbar Ghaffarpour Rahbar, "Least-Congested Distributed Lightpath Allocation", Proc.IEEE 5th International Symposium on Telecommunications (IST2010), Tehran, Iran, Dec.2010.
4. H.Kordlou, S.Barkabi, H.Teimoori, "DRA: A Novel Distributed Rerouting Algorithm in All-Optical WDM Networks", CICIS, 2011.



## EMPLOYMENT HISTORY

**Instructor at Department of Electrical and Computer Science Engineering**  
Sahand University of Technology, Tabriz, Iran.

**Instructor at Department of Computer Science and IT Engineering**  
Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

**Instructor at Department of Electrical and Computer Science Engineering**  
Islamic Azad University, Zanjan, Iran.

**Instructor at Department of Electrical and Computer Science Engineering**  
Elmi-Karbordi University, Zanjan, Iran.

○ Instructor at Department of Electrical and Computer Science Engineering  
Soofi Razi University, Zanjan, Iran.

◀ REFERENCES

○ **Prof. Sung-Nien Yu, Professor from Department of Electrical Engineering, National Chung Cheng University, Chiayi, Taiwan.**

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○ **Prof.W.N.Lie, Professor from Department of Electrical Engineering, National Chung Cheng University, Chiayi, Taiwan.**

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Website: <http://www.dsp.ee.ccu.edu.tw/wnlie/> .

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○ **Dr. Akbar Ghaffarpour Rahbar, Professor from Department of Electrical Engineering, Sahand University of Technology, Sahand New Town, Tabriz.**

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