



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE _____

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di INFORMATICA**

Scientist- in - charge: of Prof. Ernesto Damiani

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	--
Name	SADIA
Date of birth	[24, 04, 1986]

PRESENT OCCUPATION

Appointment	Structure
POST DOCTORATE RESEARCHER	6 MOTHS CONTRACT

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	Denosing and demosaicking, healthcare system	Kyungpook National University	February 2020
Master	Copmuter Science	Abasyn University, Islambabad	2015
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
March 1st 2020	Kyungpook National University	Daegu

FOREIGN LANGUAGES

Languages	level of knowledge
English	Expert
Korea	Basic

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2019	Best Researcher award, awarded by Brain Korea, Kyunpook National University, Daegu, Korea
2016	Selected for a Brain Korea scholarship award
2017	Selected for National Research Foundation award

TRAINING OR RESEARCH ACTIVITY

Currently, i am doing my Post Doc and serving as a Teacher Assistant in School of computer science and engineering, Kyungpook National University, Daegu, Korea

PROJECT ACTIVITY

Year	Project
January 2020	Successfully completed Brain Korea Project
2019	National Research Foundation

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place



PUBLICATIONS

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
Articles in reviews
Real-Time Route Planning and Data Dissemination for Urban Scenarios Using the Internet of Things. IEEE Wireless Communications, 2019
Model Compression for IoT Applications in Industry 4.0 via Multi-scale Knowledge Transfer. IEEE Transactions on Industrial Informatics 11/2019; PP(99):1-1., DOI:10.1109/TII.2019.2953106
Countering Malicious URLs in Internet-of-Thing (IoT) using a knowledge-based approach and simulated expert. IEEE Internet of Things, 11/2019; PP(99):1-1., DOI:10.1109/JIOT.2019.2954919
Exploring Deep Learning Models for Overhead View Multiple Object Detection. IEEE Internet of Things, 11/2019; PP(99):1-1., DOI:10.1109/JIOT.2019.2951365
Link quality and energy utilization based preferable next hop selection routing for wireless body area networks. Computer Communications 10/2019;, DOI:10.1016/j.comcom.2019.10.030
A big data analytical framework for analyzing solar energy receptors using evolutionary computing approach. Journal of Ambient Intelligence and Humanized Computing 09/2019; DOI:10.1007/s12652-019-01443-7
A. Paul: Energy monitoring in IoT-based ad hoc networks: An overview. Computers & Electrical Engineering 06/2019; 76:133-142., DOI:10.1016/j.compeleceng.2019.03.013
Automatic segmentation of liver & lesion detection using H-minima transform and connecting component labeling. Multimedia Tools and Applications 03/2019;, DOI:10.1007/s11042-019-7347-4
Comparative analysis of segmentation techniques based on chest X-ray images. Multimedia Tools and Applications 03/2019;, DOI:10.1007/s11042-019-7348-3
Watermarking as a service (WaaS) with anonymity. Multimedia Tools and Applications 01/2019;, DOI:10.1007/s11042-018-7074-2
5G-enabled Hierarchical Architecture for Software-Defined Intelligent Transportation System. Computer Networks 11/2018; 150., DOI:10.1016/j.comnet.2018.11.035
Constrained application for mobility management using embedded devices in the Internet of Things based urban planning in smart cities." Sustainable Cities and Society, Volume 44, January 2019, Pages 144-151
A Novel Security Model for Cooperative Virtual Networks in the IoT Era." International Journal of Parallel Programming, Springer, 2018
A novel security scheme for Body Area Networks compatible with smart vehicles. Computer Networks, Volume 143, 9 October 2018, Pages 74-81
Performance analysis for low-complexity detection of MIMO V2V communication systems." Computer Networks, Volume 140, 20 July 2018, Pages 92-100
Towards Ontology-based Multilingual URL Filtering: A Big Data Problem. The Journal of Supercomputing 04/2018;, DOI:10.1007/s11227-018-2338-1
Multi-parameter Green Reliable communication for Internet of Things in 5G network. Journal of Parallel and Distributed Computing 03/2018;, DOI:10.1016/j.jpdc.2017.12.012
Content Based Image Retrieval by Using Color Descriptor and Discrete Wavelet Transform. Journal of Medical Systems 03/2018; 42(3). DOI: 10.1007/s10916-017-0880-7



Service Orchestration of Optimizing Continuous Features in Industrial Surveillance using Big Data based Fog-enabled Internet of Things. IEEE Access 02/2018; PP (99):1-1., DOI:10.1109/ACCESS.2018.2800758
Smart health monitoring and management system: Toward autonomous wearable sensing for internet of things using big data analytics.” Future Generation Computer Systems 01/2018; DOI:10.1016/j.future.2017.12.059
Socio-cyber network: The potential of cyber-physical system to define human behaviors using big data analytics. Future Generation Computer Systems 01/2018;, DOI:10.1016/j.future.2017.12.027
An adaptive hybrid fuzzy-wavelet approach for image steganography using bit reduction and pixel adjustment. Soft Computing 12/2017;, DOI:10.1007/s00500-017-2944-5
Energy efficient topology management scheme based on clustering technique for software defined wireless sensor network. Peer-to-Peer Networking and Applications 10/2017; DOI: 10.1007/s12083-017-0607-z
Towards Modeling and Optimization of Features Selection in Big Data based Social Internet of Things. Future Generation Computer Systems 09/2017; X(X):X., DOI:10.1016/j.future.2017.09.028
Enabling Multimedia Aware Vertical Handover Management in Internet of Things Based Heterogeneous Wireless Networks.” Multimedia Tools and Applications 04/2017; 76(1). DOI: 10.1007/s11042-017-4736-4
Multilevel Data Processing Using Parallel Algorithms for Analyzing Big Data in High-Performance Computing. International Journal of Parallel Programming 03/2017;, DOI:10.1007/s10766-017-0498-x
A Cluster-Based Data Fusion Technique to Analyze Big Data in Wireless Multi-Sensor System. IEEE Access 03/2017; PP (99). DOI:10.1109/ACCESS.2017.2679207
Context-aware low power intelligent SmartHome based on the Internet of things. Computers & Electrical Engineering 04/2016; 52. DOI:10.1016/j.compeleceng.2016.04.014

Congress proceedings
Real-Time Route Discovery for Urban Scenarios Using Internet of Things. GLOBECOM 2019 - 2019 IEEE Global Communications Conference; 12/2019, Waikoloa, HI, USA
Energy Efficient Green Solution for Hierarchical Resource Management for Mobile Cloud Computing. 2019 IEEE International Conference on Communications Workshops (ICC Workshops); 05/2019, DOI:10.1109/ICCW.2019.8756982
Human-enabled sustainable management of mobile cloud on 5G network: student research abstract. The 34th ACM/SIGAPP Symposium; 04/2019, DOI:10.1145/3297280.3297646
Hierarchical Architecture for Securing 5G based Software-Defined Intelligent Transportation System. (MobiSec 2018]) IEEE International Conference on Computer Communications (IEEE Infocom), Honolulu, HI // USA; 04/2018
Human behavior analysis based on big data analytics in cyber-physical system: student research abstract. the 33rd Annual ACMSAC Symposium, Pau France; 04/2018, DOI:10.1145/3167132.3167447
Features Selection Model for Internet of E-Health Things Using Big Data. GLOBECOM 2017 - 2017 IEEE Global Communications Conference; 12/2017, DOI:10.1109/GLOCOM.2017.8254418
A multi-layer low-energy adaptive clustering hierarchy for wireless sensor network. 2017 IEEE 19th International Conference on e-Health Networking, Applications and Services (Healthcom); 10/2017, DOI:10.1109/HealthCom.2017.8210770
An Algorithm for Alleviating the Effect of Hotspot on Throughput in Wireless Sensor Networks. 2017 IEEE 42nd Conference on Local Computer Networks Workshops (LCN Workshops); 10/2017, DOI:10.1109/LCN.Workshops.2017.83
SDIoT: Software Defined Internet of Thing to Analyze Big Data in Smart Cities. 2017 IEEE 42nd Conference on Local Computer Networks Workshops (LCN Workshops); 10/2017, DOI:10.1109/LCN.Workshops.2017.84



You speak, we detect: Quantitative diagnosis of anomic and Wernicke's aphasia using digital signal processing techniques. ICC 2017 - 2017 IEEE International Conference on Communications; 05/2017, DOI:10.1109/ICC.2017.7996967

Human enabled Green IoT in 5G network. The 32nd ACM SIGAPP Symposium On Applied Computing, Marrakech, Morocco; 04/2017, DOI:10.1145/3019612.3019689

Emerging Mobile Communication Technologies for Healthcare System in 5G Network. 2016 IEEE 14th Intl Conf on Dependable, Autonomic and Secure Computing, 14th Intl Conf on Pervasive Intelligence and Computing, 2nd Intl Conf on Big Data Intelligence and Computing and Cyber Science and Technology Congress(DASC/PiCom/DataCom/CyberSciTech); 08/2016, DOI:10.1109/DASC-PiCom-DataCom-CyberSciTec.2016.23

An architecture to analyze big data in the Internet of Things. 2015 9th International Conference on Sensing Technology (ICST); 12/2015, DOI:10.1109/ICSensT.2015.7438483

OTHER INFORMATION

Sadia Din, Prof. Fadi Al-Turjman, Prof. Razi Iqbal, Prof. Tariq Umer: IJIITC2019 Special Issue on: "New Challenges for UAV-based Communications, Learning and Applications"

Sadia Din, Salvatore Cuomo, Chehri Abdellah, Sohail Jabbar, Gwanggil Jeon: IIMSS2018 Special Issue on Real-time Behavioral Monitoring in IoT Applications using Big Data Analytics.

Sadia Din, Hadi Zahmatkesh, Enver Ever: IEEE International Workshop on 5G in Internet of Things (5G-IoT) to be held in conjunction with The 43rd IEEE Conference on Local Computer Networks (LCN 2018), 1-4 October 2018, Chicago, USA. 05/2018

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: 14/02/2020

SIGNATURE
