

PERSONAL INFORMATION

Ayham Alyosef



Sex: Male Date of birth: Nationality: Status:

WORK EXPERIENCE

Nov/2020 - Now

PhD Research Fellow

Developing a Smart Rainfall System (SRS) by using the space communication technology and earth observation systems and utilize it in civil protection and early warning networks to control the dangers from floods and avoid their damages and protect lives. Atmospheric monitoring, satellite-to-earth microwave down links, big data and time series analysis.

Genova University, Genova, Italy

June/2019 - June/2020

Research Fellow

Atmospheric characterization for radio propagation applications in W-RAD project funded by ESA, free space communication, atmospheric characterization, remote sensing technology for physical parameters, pressure, temperature and humidity, millimeter waves propagation, CCDF calculations, working on a novel approach to estimate the mean radiative temperature and attenuations at K & W-band for good planning in satellite communication link which promising to guarantee the power efficiency in satellite systems, big data, statistical learning and time series analysis.

Center of Excellence Telesensing of Environment and Model Prediction of Severe events, L'Aquila, Italy

Nov/2013 - Nov/2016

Researcher and Data Collector

Monitoring & Evaluation, data collection, data quality, interviews planning and managing, making contact with all organizations and local councils, humanitarian needs assessment, evaluation of various social service situations (medicine, education, living level, water, wash, shelter, electricity, food, agriculture and market status), preparation of daily, weekly, monthly, quarterly and yearly, reports, triangulation and cross-checking of data and information.

Assistance Coordination Unit (ACU), Sham Association, Hama, Syria

ACADEMIC EDUCATION

Nov/2020 - Now

Italy, Genova, University of Genova
PhD in Telecommunication Engineering

Sep/2016 – Mar/2019

Italy, L'Aquila, University of L'Aquila 109/110
Advanced Master in Computer Science "Telecommunication Engineering"

Sep/2008 – Nov/2013

Syria, Aleppo, Aleppo University 75/100
Bachelor in Electrical and Electronic Engineering

Sep/2005 – July/2008

Syria, Hama 96/100
Certificate of Secondary Education

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Italian	A2	A2	A2	A2	A2

Turkish

A1

A1

A1

A1

A1

PROGRAMMING SKILLS

MATLAB, Python, C++, SPSS.

COMPUTER SKILLS

Very good command of Microsoft Office™ tools, KoBo toolbox data collection. SNAP platform for Satellite Earth observation, Image processing, Modelling and Visualization. MODerate-resolution Imaging Spectro-radiometer (MODIS) with NASA Terra & Aqua Satellites.

SCHOLARSHIPS & PRIZES

Scholarship for research activity in CETEMPS	2019
Scholarship for thesis training	2018
Scholarship for merit international students in L'Aquila University Master's degree	2016-2018

ADDITIONAL INFORMATION

ABOUT ME

Strong time management skills, communication skills, ability to work with team.
Working in a multi-cultural environment.
Self-motivation, Creativity, Data Analysis, Decision Making.
Ability to move and travel if required.

ACTIVITIES

Course		Date	Organization
Radiative Transfer in Atmosphere	6 Credits	2020	L'Aquila University
Machine Learning	6 Credits	2019	L'Aquila University
Environmental Chemistry	6 Credits	2019	L'Aquila University
Business Organizations	6 Credits	2019	L'Aquila University
JOYCE-CF Summer School		2019	Bonn University
W-band & atmosphere characterization "thesis training"		2018	L'Aquila University
Managing Development Projects		2017	Orange
Data Analysis by Excel		2017	Orange
Data Collection Methodologies Course		2017	Orange
Data & Information Management Course		2016	UOSSM
Monitoring and Evaluation for Development Projects		2016	Orange

PROFESSIONAL MEMBERSHIPS

Member in IEEE Geoscience and Remote Sensing Society
Member in Syrian Engineers Syndicate

PUBLICATIONS

Cimini D., L. Luini, A. Alyosef, F. S. Marzano, C. Riva, F. Di Paola, F. Romano, Are microwave profilers useful to improve atmospheric attenuation estimates for radio propagation purposes? 11th International Symposium on Tropospheric Profiling, Toulouse (France), 20-24 May, 2019

Alyosef A., D. Cimini, L. Luini, C. Riva, F. S. Marzano, M. Biscarini, L. Milani, A. Martellucci, S. Gentile, S. T. Nilo, F. Di Paola, F. Romano, Improving atmospheric path-attenuation estimates for radiopropagation applications by microwave radiometric profiling, submitted to Atmospheric Measurement Techniques (amt-2020-309), under review.

05 January 2021

