europass

Riyaaz Uddien Shaik

EDUCATION AND TRAINING

[01/11/2018 – 19/09/2022] **PhD (Energy and Environment)**

Sapienza University of Rome

Address: Via Salaria, 851, 00138, Rome, Italy

[20/12/2017 – 30/12/2018] **Master (II-level) in Satellite Systems and Services**

Sapienza University of Rome

Address: Via Salaria, 851, 00138, Rome, Italy

[15/07/2014 – 30/01/2017] **Master of Engineering (Design for Manufacture)**

Osmania University

Address: 500007, Hyderabad, India

[01/07/2010 – 31/05/2014] **Bachelor of Technology (Mechanical Engineering)**

BS Abdur Rahman University

Address: Seethakathi Estate, Vandalur, 600048, Chennai, India

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

DIGITAL SKILLS

My Digital Skills

Python | MATLAB | ENVI | ArcMAP | Octave | R | SolidWorks | CREO Elements

CONFERENCES AND SEMINARS

[17/07/2022 – 22/07/2022] **IEEE- International Geoscience and Remote Sensing Symposium** Malaysia

Dynamic Wildfire Fuel Mapping using Sentinel-2 and PRISMA Hyperspectral Imagery

https://igarss2022.org/

[12/07/2021 – 16/07/2021] **IEEE-International Geoscience and Remote Sensing Symposium** Brussels

New Approach of Sample Generation and Classification for Wildfire Fuel Mapping on Hyperspectral (PRISMA) Image

https://igarss2021.com/default.asp

[09/09/2019 – 12/09/2019] **AIDAA** Rome, Italy.

Support Wildfire Management in Mediterranean Territories Using Multi-Source Satellite Data

https://igarss2021.com/default.asp

[03/10/2019 – 05/10/2019] **EARSeL** Rome, Italy.

Fire Danger Rating and Vulnerability Mapping using Multi-Source Satellite Data

https://earsel.org/

WORK EXPERIENCE

[20/08/2018 – 20/01/2019] **Internship**

OHB-Italia

City: Rome
Country: Italy
Main activities and responsibilities:
Modeling of Propellant Gauging System for 'PRISMA' Satellite

[01/05/2014 – 30/07/2014] **Internship**

Indian Space Research Organization

City: Sriharikota
Country: India
Main activities and responsibilities:
Design of Resin Lining Machine for Propellant Hardware

PUBLICATIONS

[2022]

An Automatic Procedure for Forest Fire Fuel Mapping Using Hyperspectral (PRISMA) Imagery: A Semi-Supervised Classification Approach

https://doi.org/10.3390/rs14051264

[2022]

Accuracy - Processing Speed Trade-offs between Classical and Quantum Support Vector Machine Classifier exploiting PRISMA Hyperspectral Imagery

https://doi.org/10.1080/01431161.2022.2061877

[2020] **The Daily Fire Hazard Index: A Fire Danger Rating Method for Mediterranean Areas**

https://doi.org/10.3390/rs12152356

[2020] **A SWOT Analysis for Offshore Wind Energy Assessment Using Remote-Sensing Potential**

https://doi.org/10.3390/app10186398

PROJECTS

[01/04/2019 – 31/03/2022] **S2IGI-An Integrated System for Prevention and Management of Wildfires**

S2IGI aims to provide a short- and medium-term forecasting of wildfire danger, an early detection of wildland fires, a real-time forecast of wildland fire propagation, and an assessment of fire damages, based on the use of advanced technologies in Earth Observation (EO) data exploitation.

https://cordis.europa.eu/project/id/876796

[01/04/2022 – 30/09/2022] **ASI-HYPER**

In this project, various prototypes viz., fuel map, vegetation indicators, water quality, forest fire front, volcanic parameters etc., using PRISMA hyperspectral imagery were developed. A real-time forecast of various environmental factors using PRISMA data is its major goal.

https://www.cnr.it/en/research-projects/project/44817/asi-affidamento-delle-attivita-relative-allo-sviluppo-di-prodotti-iperspettrali-prototipali-evoluti-nell-ambito-del-programma-congiunto-iperspettrale-shalom-dta-ad004-369

_I_ sottoscritt_ dichiara di essere consapevole che il presente curriculum vitae sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Rome, 26/09/2022

Riyaaz Uddien Shaik