Sebastiano Serpico

Full Professor

EDUCATION AND TRAINING

1989
Ph.D.
Telecommunications
University of Genoa

1982
Laurea (Master)
Electronic Engineering
University of Genoa

PROFESSIONAL HISTORY

2004 to present
Full Professor
University of Genoa

1998 - 2004
Associate Professor
University of Genoa

1990 - 1998
Assistant Professor
University of Genoa

ACADEMIC APPOINTMENTS

2022 to present
Chairman
IANUA - Advanced Education School
University of Genoa

2018 – 2021
Member
Academic Senate
University of Genoa

EXPERIENCE

MAIN SEMINARS

2009 Unsupervised change detection methods for single-channel and multichannel SAR images
Università di Tromso (Tromso, Norway)

Università di Genova
UniGe.it

tel. +39 01020991
protocollo@pec.unige.it

Via Balbi 5, 16126 Genova
P. IVA 00754150100

2005 An Approach to Feature Reduction in Hyperspectral Image Classification
INRIA (Sophia Antipolis, France)

2005 Supervised optimization of MRF model parameters for contextual classification of remote-sensing images
Fukuoka University (Japan)

2002 Unsupervised and partially supervised change detection from remotely sensed imagery
Iceland University (Reykjavik, Iceland)

2000 Fusion of Multisensor Remote Sensing Data for Earth Observation
Invited speaker for Plenary Panel Discussion on FUSION, Vision and Challenges
ISIF International Conference, FUSION 2000 (Paris, France)

2000 Fusion of Data for Remote Sensing
University of Surrey (Guildford, UK)

1999 Multitemporal and Multisensor Remote-Sensing Image Analysis for Classification and Change Detection Purposes
DLR (German Space Agency) (Oberpfaffenhofen, Germany)

1998 Change Detection
Purdue University (USA)

1998 *Classification and Change Detection of Multitemporal Multisensor Remote Sensing Images*
Massachusetts University at Dartmouth (USA)

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

2022-2024 PRISMA-Learn: Advanced machine learning techniques for data fusion and image analysis of the PRISMA mission
Scientific manager of the project
Italian Space Agency

2021-2023 Semi-automatic extraction of information from multi-temporal sequences of multi-frequency and multi-mission SAR data - MultiBigSARData
Scientific manager for the University of Genoa
Italian Space Agency

2014-2017 URBIS -URBan land recycling Information services for Sustainable cities
Scientific responsible for the University of Genoa
EU Competitiveness and Innovation Framework Programme

2014-2017 Remote sensing at very high spatial and spectral resolution: a new integrated data analysis system
Scientific manager of the project
MIUR Ministry - Project of Significant National Interest

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

2001-2022 Associate Editor

IEEE Transactions on Geoscience & Remote Sensing International Journal
IEEE - Institute of Electrical and Electronics Engineers

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES
2016 Interactive Symposium Paper Award
IEEE International Geoscience and Remote Sensing Symposium
IEEE - Institute of Electrical and Electronics Engineers

2010 Best Paper Award
IEEE Workshop on Hyperspectral Image and Signal Processing (WHISPERS)
IEEE - Institute of Electrical and Electronics Engineers

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS
2020 System and method of crater detection and registration using marked point processes, multiple birth and death methods and region-based analysis
Coauthor of Patent no. 10825182
United States Patent and Trademark Office

2013 Automatic extraction of planetary image features
Coauthor of Patent no. US 8,355,579 B2
United States Patent and Trademark Office

OTHER EXPERIENCES
2019 Education Award
IEEE Geoscience and Remote Sensing Society

2003-2019 Chairman
Consortium of the Advanced Institute of Studies in Information and Communication Technologies
University of Genoa, companies, local authorities, trade associations

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