

Remote Sensing 2024**REMOTE SENSING FOR AGRICULTURE, ECOSYSTEMS, AND HYDROLOGY**

13191-21

Maria Bempi, Univ. of Thessaly (Greece)

A comparative analysis of machine learning and vegetation index-based modeling approaches for durum wheat yield assessment using Sentinel-2 imagery

REMOTE SENSING OF CLOUDS AND THE ATMOSPHERE

13193-7

Fabio Della Rocca, Univ. degli Studi di Napoli Federico II (Italy)

Machine learning techniques for spatial interpolation of the IASI water deficit index

ENVIRONMENTAL EFFECTS ON LIGHT PROPAGATION AND ADAPTIVE SYSTEMS

13194-31

Stefanie Häusler, Deutsches Zentrum für Luft- und Raumfahrt e.V. (Germany)

Measurements of atmospheric background light in the urban area Waterloo and its impact on satellite QKD system performance

MICROWAVE REMOTE SENSING: DATA PROCESSING AND APPLICATIONS III

13195-7

Giovanni Anconitano, Sapienza Univ. di Roma (Italy)

Polarimetric SAR decompositions for soil moisture retrieval over corn fields in Argentina

IMAGE AND SIGNAL PROCESSING FOR REMOTE SENSING

Conference has not selected a winner

EARTH RESOURCES AND ENVIRONMENTAL REMOTE SENSING/GIS APPLICATIONS

13197-40

Jhon Romer Diezmos Manalo, Univ. degli Studi di Roma Tre (Italy)

LiDAR health monitoring of transport infrastructure: automatic damage detection using classification of point clouds

REMOTE SENSING TECHNOLOGIES AND APPLICATIONS IN URBAN ENVIRONMENTS

13198

Conference has not selected a winner

Security + Defence 2024

ELECTRO-OPTICAL AND INFRARED SYSTEMS: TECHNOLOGY AND APPLICATIONS

13200-57

Matteo Corti, Politecnico di Milano (Italy)

A bolometric hyperspectral camera based on a birefringent interferometer for remote sensing in the thermal infrared

HIGH-POWER LASERS AND TECHNOLOGIES FOR OPTICAL COUNTERMEASURES

13201-6

Helena Picmausová, Fraunhofer-Institut für Optronik, Systemtechnik und Bildauswertung IOSB (Germany) and University of Defence (Czech Republic)

Numerical modelling of far-field intensity patterns in coherent beam combining

SENSORS AND COMMUNICATION TECHNOLOGIES IN THE 1 GHz TO 10 THz BAND

13203-8

Ran Chen, Univ. of Cambridge (United Kingdom)

Study of the optimal photoresponse, speed, and temperature performance of terahertz photoelectric tunable-step detectors

EMERGING IMAGING AND SENSING TECHNOLOGIES FOR SECURITY AND DEFENCE

13204-17

Mrudul Modak, Heriot-Watt Univ. (United Kingdom)

Ge-on-Si avalanche photodiodes and single-photon avalanche diode detectors for low-level light detection in the short-wave infrared wavelength region

AND

13204-17

Stirling Scholes, Heriot-Watt Univ. (United Kingdom)

Human pose inference using mmWave radar

ARTIFICIAL INTELLIGENCE FOR SECURITY AND DEFENCE APPLICATIONS II

13206-5

Jonathan Sweetland, Univ. of Glasgow (United Kingdom), Thales UK Ltd. (United Kingdom)

Generative model for visualisation of complex behaviours exhibited by homogeneous swarms

AUTONOMOUS SYSTEMS FOR SECURITY AND DEFENCE

13207

Conference has not selected a winner