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5th International Conference on

GIS and Remote Sensing

September 16-17, 2019
Rome, Italy



SCIENTIFIC PROGRAM

DAY 1
Monday, 16th September

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50 Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Remote Sensing and GIS	**Talks On:** GIS Techniques and Technology
Geological remote sensing	Raster-to-vector translation
Satellite remote sensing	Projections coordinate systems, and registration
Global positioning system	Data representation
Remote sensing in atmospheric modeling	Data capture
	Resources assessment

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Remote Sensing in Urban Environment	**Talks On:** Web GIS and Web Mapping
Emerging imaging and sensing technology	Real-time and 3D with ArcGIS
Digital image processing	Mobile mapping
Remote sensing of clouds and atmosphere	Static web maps
Weather forecasting	Traffic congestion maps
High performance computing in geoscience	3D modeling from remotely sensed data

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers	Workshop

DAY 2
Tuesday, 17th September

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50

MEETING HALL 01	MEETING HALL 02
Talks On: Global Navigation Satellite System	**Talks On: GIS & RS Applications in Forestry**
Global positioning system (GPS)	Land management
Global system for mobile communications (GSM)	Agriculture
Big data processing	Deforestation
Navigation and communication	Biodiversity conservation

12:50-13:35 LUNCH BREAK

13:35-15:55

MEETING HALL 01	MEETING HALL 02
Talks On: Cartographic Modeling	**Talks On: Implications of GIS in Society**
Decision support modeling	GIS social practice
Analysis of mapped data	GIS & RS in climate change

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	**Workshop**

PAST AFFILIATES

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Victor Puchkov Nikolaevich,
Russian Academy of Sciences, Russia

Agustin Fernandez Eguiarte,
Universidad Nacional Autonoma de Mexico,

Judit Rubio Delgado,
University of Extremadura, Spain

Andris Klepers,
Vidzeme University of Applied Sciences, Latvia

Valentina Janev,
University of Belgrade, Serbia

Waqas Wajid,
Hochschule Anhalt, Bernburg (Saale), Germany

Katerina Mekhlis,
NeoCityLab, Netherlands

Gloria Bordogna,
CNR IREA, Milano, Italy

Dietrich Heintz,
Cropix, Thalwil, Switzerland

Leanne Sulewski,
United States Department of Defense, USA

Andrews Kwasi Afforo Odoom,
Losamills Consult Limited, Ghana

Napoleon Kurantin,
Ghana Institute of Management and Public Administration, Ghana

Rome Attractions



Glimpses of GIS Congress Conferences

















Scientific Program



4th International Conference on

GIS and Remote Sensing

September27-28, 2018 | Berlin, Germany

UK: Conference Series LLC Ltd
47 Churchfield Road, London, W3 6AY
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DAY-1

September 27, 2018

Meeting Hall: Bismarck

Registrations

Opening Ceremony

KEYNOTE FORUM

Introduction

Title: Applications of GIS and remote sensing in lansdlide hazard assessment

Wendy Zhou, Colorado School of Mines, USA

Networking & Refreshments

Sessions: GIS and Remote Sensing | Geodynamics | Spatial Analysis With GIS | Global Navigation Satellite System (GNSS) | GIS & RS in Climate Change | Remote Sensing in Urban Environment

Chair: **Agustin Fernandez Eguiarte,** Universidad Nacional Autonoma de Mexico, Mexico

Co-Chair: **Waqas Wajid,** Hochschule Anhalt, Bernburg (Saale), Germany

INTRODUCTION

Title: Selection of an appropriate height system for geomatics

Petr Vanicek, University of New Brunswick, Canada

Title: A service–enabled visualization for conveying spatial information by summarizing temporal point data

Leanne Sulewski, United States Department of Defense, USA

Title: Deep learning based on U-Net architectures for lithological classification using multi-sensor data

Yuanze Chen, Technical University of Munich, Germnay

GROUP PHOTO

Lunch Break

Title: Synthesising information in remote sensing images based on an adaptive accumulation of evidence

Gloria Bordogna, CNR IREA, Milano, Italy

Title: Coupling deep learning and GIS for forest damage assessment based on high-resolution remote sensing data

Zayd Mahmoud Hamdi, Technical University of Munich, Germany

Title: Using Sentinel 2A images to analyze temporal variation of estimated chlorophyll content in olive groves and its relationship to phenological stages

Judit Rubio Delgado, University of Extremadura, Spain

Title: Sentinel-1 SAR data for agricultural applications

Dietrich Heintz, Cropix, Thalwil, Switzerland

Networking & Refreshments

Title: Spatio-temporal analysis of landuse change using Landstat 5 TM and stochastic gradient boosting in peri-urban areas of Yogyakarta, Indonesia
Sintha Prima Widowati Gunawan, Osaka University, Japan
Title: Spatial analysis of tourism places in post-Soviet contexts: Tourist destinations of Baltic states
Andris Klepers, Vidzeme University of Applied Sciences, Latvia
Title: Use of geo-spatial techniques to estimate the efficiency of public transport service in an urban area
Salman Zubair, University of Karachi, Pakistan

Panel Discussion

DAY-2

September 28, 2018
Meeting Hall: **Bismarck**

KEYNOTE FORUM

Title: International Terrestrial Reference Frame (ITRF) and global geodynamics
Victor Puchkov Nikolaevich, Russian Academy of Sciences, Russia

Networking & Refreshments

Sessions: GIS Techniques and Technologies | Geostatistics | Disaster assessment and management | GIS in renewable energy sources | GIS in Mapping | Seismology and Geodesy

Chair: Leanne Sulewski, United States Department of Defense, USA
Co-Chair: Andris Klepers, Vidzeme University of Applied Sciences, Latvia
Co-Chair: Katerina Mekhlis, NeoCityLab, Netherlands

INTRODUCTION

Title: Quantification of the impacts of tropical cyclones on the coasts of the Gulf of Mexico, the Western Caribbean Sea and on the urban, semi-urban and rural localities of Mexico
Agustin Fernandez Eguiarte, Universidad Nacional Autonoma de Mexico, Mexico
Title: Adopting the linked data approach for spatio-temporal analysis: Opportunities and challenges
Valentina Janev, University of Belgrade, Serbia

Title: Spatial and sensible planning of chaotic metropolitan city through GIS and remote sensing
Waqas Wajid, Hochschule Anhalt, Bernburg (Saale), Germany

GROUP PHOTO

Lunch Break

Title: A geospatial study on coastal erosion in Krishna-Godavari delta region, Andhra Pradesh, India
Peddada Jagadeeswara Rao, Andhra University, India
Title: Using GIS to develop vulnerability index map for Bassetlaw District Council
Andrews Kwasi Afforo Odoom, Losamills Consult Limited, Ghana
Title: New approache to data visualisation, automated object recognition and urban management based on laser scanning and photo panoramas
Katerina Mekhlis, NeoCityLab, Netherlands
Title: Developing a prototype of geo-spatial system for the implementation of One District, One Factory policy in support of regional economic development and poverty alleviation programmes in Ghana
Napoleon Kurantin, Ghana Institute of Management and Public Administration, Ghana

Networking & Refreshments

Title: Object-based forest cover change mapping using remote sensing in Nuristan province, Afghanistan
Shogufa Popal, Kabul University, Afghanistan
Title: Earthquake risk assessment of Blida (Algeria) using GIS
Khalida Tadjer, University of Blida, Algeria

POSTER PRESENTATIONS

PANEL DISCUSSION

Awards & Closing Ceremony