



# Scientific Program

4<sup>th</sup> International Conference on  
**GIS and Remote  
Sensing**

September 27-28, 2018 | Berlin, Germany

UK: Conference Series LLC Ltd  
47 Churchfield Road, London, W3 6AY  
Toll Free: +1-800-014-8923



# DAY-1

September 27, 2018

Meeting Hall: **Bismarck**

08:30-09:30 Registrations

*Opening Ceremony* ..... **09:30-09:55**

## KEYNOTE FORUM

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09:55-10:00 Introduction

10:00-10:40 **Title: Applications of GIS and remote sensing in landslide hazard assessment**  
Wendy Zhou, Colorado School of Mines, USA

**Networking & Refreshments 10:40 -11:00 @ Foyer**

**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

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11:00-11:30 **Title: Selection of an appropriate height system for geomatics**  
Petr Vanicek, University of New Brunswick, Canada

11:30-12:00 **Title: A service-enabled visualization for conveying spatial information by summarizing temporal point data**  
Leanne Sulewski, United States Department of Defense, USA

12:00-12:30 **Title: Deep learning based on U-Net architectures for lithological classification using multi-sensor data**  
Yuanze Chen, Technical University of Munich, Germany

## GROUP PHOTO 12:30-12:40

**Lunch Break 12:40-13:40 @ Theodor's Restaurant**

13:40-14:10 **Title: Synthesising information in remote sensing images based on an adaptive accumulation of evidence**  
Gloria Bordogna, CNR IREA, Milano, Italy

14:10-14:40 **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

**14:40-15:10** **Title:** Using Sentinel 2A images to analyze temporal variation of estimated chlorophyll content in olive groves and its relationship to phenological stages  
Judith Rubio Delgado, University of Extremadura, Spain

**15:10-15:40** **Title:** Sentinel-1 SAR data for agricultural applications  
Dietrich Heintz, Cropix, Thalwil, Switzerland

**Networking & Refreshments 15:40-16:00 @ Foyer**

**16:00-16:30** **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

**16:30-17:00** **Title:** Spatial analysis of tourism places in post-Soviet contexts: Tourist destinations of Baltic states  
Andris Klepers, Vidzeme University of Applied Sciences, Latvia

**17:00-17:30** **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

**10:00-10:40** **Title:** International Terrestrial Reference Frame (ITRF) and global geodynamics  
Victor Puchkov Nikolaevich, Russian Academy of Sciences, Russia

**Networking & Refreshments 10:40-11:00 @ Foyer**

**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

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- 11:00-11:30** **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
  - 11:30-12:00** **Title:** Adopting the linked data approach for spatio-temporal analysis: Opportunities and challenges  
**Valentina Janev**, University of Belgrade, Serbia
  - 12:00-12:30** **Title:** Spatial and sensible planning of chaotic metropolitan city through GIS and remote sensing  
**Waqas Wajid**, Hochschule Anhalt, Bernburg (Saale), Germany

## GROUP PHOTO 12:30-12:40

**Lunch Break 12:40-13:40 @ Theodor's Restaurant**

- 13:40-14:10** **Title:** A geospatial study on coastal erosion in Krishna-Godavari delta region, Andhra Pradesh, India  
**Peddada Jagadeeswara Rao**, Andhra University, India
- 14:10-14:40** **Title:** Using GIS to develop vulnerability index map for Bassetlaw District Council  
**Andrews Kwasi Afforo Odoom**, Losamills Consult Limited, Ghana
- 14:40-15:10** **Title:** New approach to data visualisation, automated object recognition and urban management based on laser scanning and photo panoramas  
**Katerina Mekhlis**, NeoCityLab, Netherlands
- 15:10-15:40** **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 15:40-16:00 @ Foyer**

- 16:00-16:30** **Title:** Object-based forest cover change mapping using remote sensing in Nuristan province, Afghanistan  
**Shogufa Popal**, Kabul University, Afghanistan
- 16:30-17:00** **Title:** Earthquake risk assessment of Blida (Algeria) using GIS  
**Khalida Tadjer**, University of Blida, Algeria

## POSTER PRESENTATIONS 17:00-17:30 @ INSIDE MEETING ROOM

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## PANEL DISCUSSION

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## Awards & Closing Ceremony

