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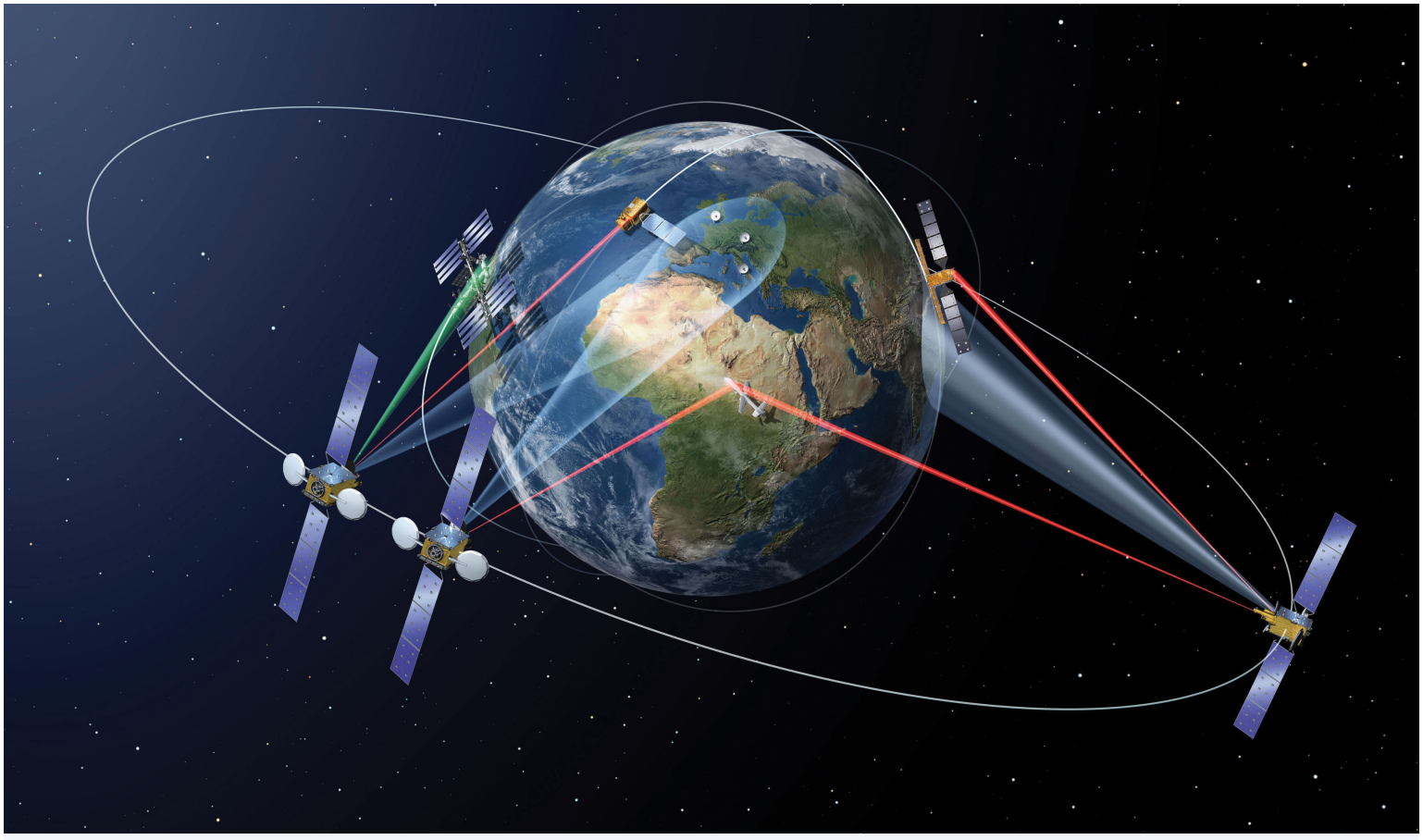
Tentative Program

4th International Conference on

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Innovation Of Spatial Data Infrastructure For Sustainable Development



For available speaker slots

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Selection of an appropriate height system for geomatics

Petr Vanicek

University of New Brunswick, Canada

Petr Vaníček was born in Czechoslovakia in 1935, moved to UK in 1967 and on to Canada in 1969, where he has been living ever since. He got his engineering degree in surveying from Czech Technical University in Prague in 1959, his PhD in mathematical physicws from Czechoslovak Academy of Science in 1968, his DrSc in mathematical and physical sciences from Czech Academy of Science in 1993 and his Professor Emeritus from Univerisity of New Brunswick, Canada in 2002. He lectured for 29 years at University of New Brunswick and retired in 1999. He has published well over 500 books, papers and reports in reputed journals and has been serving as an editor in chief and on editorial boards of reputable journals.

International Terrestrial Reference Frame (ITRF) and global geodynamics geodynamics

Victor Puchkov

Ufimian Federal Research Centre, Russia

Victor Puchkov has obtained his candidate of Science degree at the age of 32 years and doctor of Sciences at the age of 42 years in the Geological Institute of Academy of Sciences (Moscow). During 58 years of his scientific career he worked successively in academical Geological Institutes of Syktyvkar, Ekaterinburg and Ufa (since 1991 till 2017 as the director of the Institute of Geology in Ufa; in 2017 he was appointed a Scientific Leader of the Institute). He has published ~850 papers and books dealing mostly with different aspects of the geology of the Urals and general problems of geodynamics.

Spatio- Temporal Analysis Of Landuse change using LANDSAT5 TM and Stochastic Gradient Boosting in Periurban of Yogyakarta

Sintha Prima Widowati Gunawan

Osaka University, Japan

Sintha Prima Widowati Gunawan is currently a PhD candidate at Osaka University, Graduate School of Engineering, Division of Sustainable Energy and Environmental Engineering, Green Engineering for Global Environment Laboratory under supervision of Profesor Takashi Machimura and Profesor Takanori Matsui and both are co-authors in this paper. She has been a junior lecturer at University of National Development in Yogyakarta, Indonesia majoring in Urban and Regional Development Planning based on Environmental Management. She finished Bachelor degree in Architecture Engineering at University of Gadjah Mada, Indonesia in 2005 and Master degree in Urban Environmental Management at Asian Institute of Technology, Thailand in 2008.

Synthesising information in Remote Sensing images based on an adaptive accumulation of Evidence

Gloria Bordogna

senior researcher of IREA CNR, Italy

Gloria Bordogna is a senior researcher of IREA CNR since 2001, is member of EUSFLAT and IFSA Fellow since 2017.Her research activity concerns the modeling and management of imprecision and uncertainty within information retrieval systems and database management systems by means of soft computing. Current interests are spatio-temporal analytics, quality assessment of crowdsourced geotagged information, and flexible fusion of geo big data.

Satellite data application in forestry and weather forecasting modeling in Georgia

Marika Tatishvili

Georgian Technical University, Georgia

Marika Tatishvili- Dr. of Physical and Mathematical Sciences since 2006. She is Head of Weather forecasting, natural and technogenic disaster modeling division of the Institute of Hydrometeorology of Georgian Technical University. She has published 78 scientific articles including high rated journals. She is the member of Scientific and Editorial Board of Institute of Hydrometeorology and Institute of Geophysics. Also she is the Scientific Committee Member of the International Scientific Conference on Environment and Renewable Energy (ICERE 2014,15,16.17). She collaborates with International Scientific Journals, as reviewer.

Adopting the Linked Data Approach for Spatio-Temporal Analysis: Opportunities and Challenges

Valentina Janev

University of Belgrade, Serbia

Valentina Janev graduated in Electrical Engineering from the University of Ljubljana, Slovenia and received the PhD degree in the field of Semantic Web technologies from the University of Belgrade, School of Electrical Engineering and Computer Science. Recently, her research activity concerns Linked, Open and Big Data and implementation of EU policies in these domains. She serves as a reviewer of respectable international journals including International Journal on Semantic Web and Information Systems (IGI Global); International Journal of Digital Earth, Enterprise Information Systems, Knowledge Management Research and Practice, Information Systems Management (Taylor & Francis), Artificial Intelligence Review (Springer) and Data Mining and Knowledge Discovery (Wiley).

Using SENTINEL 2A images to analyze temporal variation of estimated Chlorophyll content in olive groves and its relationship

Judit Rubio Delgado

University of Extremadura, Spain

Judit Rubio-Delgado is PhD student in physical geography and researcher at the Department of Mathematics of the University of Extremadura (Spain). She is specialist in GIS and remote sensing and is working on the analysis of satellite images applied to precision agriculture. She has published several papers in JCR journals and in international conferences.

Application of Remote Sensing and GIS in natural resources conservation of some Egyptian Desert Oases

Abd-Alla Gad

National Authority for Remote Sensing and Space Sciences, Egypt

Prof. Dr. Abd-Alla Gad is Currently working on Desertification Expert at Saudi Geologic Survey Authority, Jeddah, Saudi Arabia. He is B. Sc. Specialized in Soil Sciences in 1976 with degree of "Very good with honor degree" from Faculty of Agriculture, Al-Azhar University Cairo Egypt. He did Scientific Degree of Graduate in Advanced Studies in Soil Sciences in July 1982 from Faculty of Sciences, State University of Ghent, Belgium. He did M.Sc. in Soil Sciences in October 1982 from Faculty of Agriculture, Al-Azhar University, Cairo, Egypt, with Thesis title: "Manipulation of irrigation water and its effect on phosphorus movement in soils". He completed his Ph. D. in Soil Sciences, Using Remote Sensing Techniques, with the degree of " Greatest distinction" in October 1988 from Faculty of Sciences, State University of Ghent, Belgium with Thesis title "Study of

Geostatistical modeling of salinity in 3D environment based on electrical resistivity surveys and geomodeling

Dehni Abdellatif

Algerian Space Agency, Algeria

Mr Dehni Abdellatif has completed his PhD at the age of 45 years from University of Sciences and Technology – Physics faculty and project manager studies from Center of space techniques. He is the supervisor of Gis and remote sensing modeling, at the sptatial phenomena service organization. He has published more than 4 papers in reputed journals and has been serving as an editorial board member of repute in many field such as geosciences, geomodeling.

A Geospatial study on Coastal Erosion in Krishna-Godavari Delta Region

PJagadeeswara Rao

Andhra University, India

Dr.Peddada.Jagadeeswara Rao is working as a Professor and Chairman, Board of Studies, Department of Geo-Engineering and Centre for Remote Sensing, College of Engineering (A), Andhra University. He published research articles on groundwater resources, watershed management, solid waste management, HIV/AIDS in reputed national and international journals. Guided 10 research scholars for their Ph.Ds and a consultant on water resources and remote sensing and GIS.

A Geo-Spatial Study on Smart City of Visakhapatnam Metro Rail Project, Andhra Pradesh, India

Aditya Allamraju

Andhra University , India

Aditya Allamraju is pursuing her Undergraduate- 3rd Year in Geo-Informatics, Department of Geo-Engineering from Andhra University College of Engineering(A). She is a member of IEEE (Institute of Electrical and Electronics Engineers) and ISRS (Indian Society of Remote Sensing). She is very passionate about learning new things related to her core subject and likes to assist her research scholars in her department in their project works.She is interested and also actively participated in number of seminars and conferences held in her department.She was also rewarded two gold coins from the Head of the Department, Geo-Engineering, for her best performance in curriculum.

GIS-based seismic risk assessment with application to the old town of Chania, Greece

Costas Providakis

Stanford University, CA, USA

Professor C. Providakis is serving as the Dean of the School of Architecture of the Technical University of Crete, Greece. He is the director of Applied Mechanics Lab, a premier smart materials and structural monitoring research lab. He has published more than 60 papers in reputed journals and has been serving as an editorial board member of repute.

Survey and Mapping of all Ducts and Fibre Route Network in Nigeria to enhance planning and implementation of the National Broadband using GIS and Remote Sensing. (A case study of South-Western and South-Southern Nigeria.)

Eleribe Izuchukwu Daniel

Bell-X Limited telecommunication infrastructure service provider

Eleribe Izuchukwu Daniel, A GIS analyst of over thirteen years' experience, with a first degree in Surveying and Geoinformatic Engineering from the University of Lagos, Nigeria, is currently the Head of Geographic Information System (GIS) unit, of Bell-X Limited. Bell-X Limited, a telecommunication infrastructure service provider in Nigeria. He has taken part in a number of surveying and GIS projects and also project managed few GIS and Mapping project within Nigeria.

Solid waste management in Brinin Kebbi metroopolist : (A GIS Approach)

SAFIYANU GARBA YAURI

Federal University

Garba Safiyanu Yauri, A GIS analyst and Asistant Lecturer, Department of Geography, Federal University, Birnin Kebbi, Kebbi state, Nigeria

Application of remote sensing to land encroachment issues on public institution (A case study of Lasu, Ojo, Lagos Nigeria)

Onogu Jonathan Ojonugwa

University of Lagos

Onogu Jonathan Ojonugwa A GIS analyst, with Masters in Geographic Information system and currently, a Postgraduate Student at the Department of Geography, University of Lagos, Remote Sensing Option.

The Importance of Reliable Remote Senging in Global Smart Cities

Negin Minaei

University of Windsor, Canada

Negin is an associate researcher, an assitant professor who holds a MArch. in Architectural Engineering, a PhD in Urban Planning, and a MSc in Environmental Psychology. She worked in an interdisciplinary research program on 'transnational spaces' at Bauhaus, Germany and on sustainable urbanism during her postdoc at RAU, UK. She has lectured at different univeristies and countries for 18 years. She was nominated as an Academician of the Academy of Urbanism in UK in 2014. She has been a visiting scholar and a sessional instructor at the University of Windsor teaches 'Sustainable Smart Cities' to MEng students since January 2017.

An analytical GIS as a tool for spatial data analyses

Peter A Shary

Institute of Physicochemical and Biological Problems in Soil Scienc, Russia

Peter A. Shary has received his education as a physicist from Moscow Physico-Technical Institute (Russia) in 1975, completed his PhD on biology from Institute of Physicochemical and Biological Problems of Soil Science RAS in 2005, and proved his second dissertation in 2016. He developed methods of geomorphometry in 1995–2012, has written his own analytical GIS in 2002, and used it for soil science, vegetation, geomorphology, floods prediction, oil spills and some other topics. He has puplished more than 40 works in reputed journals.

Change detection of the land-use/land-cover in the Nameri National Park, Assam, India using geospatial approach

Himolin Basumatary

Tezpur University, India

Himolin Basumatary has completed M.Sc. in Environment Management from Forest Research Institute (FRI) University, Dehradun, India and is currently pursuing Ph.D. in GIS Lab, Department of Environmental Science, Tezpur University, India.

New tool for spatiotemporal image fusion in remote sensing – a case study approach using Sentinel-2 and Sentinel-3 data

Nikolina Mileva

European Space Agency, Italy

Nikolina Mileva has a MSc degree in Geographical Sciences from the University of Utrecht. Her interests are in the area of remote sensing and its applications for agriculture, nature conservation and disaster management. Currently, Nikolina is a Young Graduate Trainee at the European Space Agency where she is working on data fusion techniques for Earth observation.

Taming Billions of LIDAR Points with GPU Database MapD

Aaron Williams

VP of Global Community at MapD, United States

Aaron Williams is responsible for MapD's developer, user and open source communities. He comes to MapD with more than two decades of previous success building ecosystems around some of software's most familiar platforms. Most recently he ran the global community for Mesosphere, including leading the launch and growth of DC/OS as an open source project. Prior to that he led the Java Community Process at Sun Microsystems, and ecosystem programs at SAP. Aaron has also served as the founding CEO of two startups in the entertainment space. Aaron has an MS in Computer Science and BS in Computer Engineering from Case Western Reserve University.

Deep Convolution Neural Networks based Classification of Drone-borne And Ground based Hyper Spectral Imagery

Abhinav Galodha

Indian Institute of Space Science and Technology, India

Abhinav Galodha has completed his Bachelors of Engineering in Electrical and Electronics (EE) from MIT Manipal, Manipal University and currently pursuing his Masters of Technology in Geoinformatics from Indian Institute of Space Science and Technology (IIST), Asia's first space institute under ISRO, Dept of Space.

Oblique Photogrammetry Based 3D Scene Reconstruction with Structure Sensing Functions

Xiongwu Xiao

State Key Laboratory of Information Engineer

Xiongwu Xiao, Dr. and researcher at the State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing (LIESMARS) at Wuhan University, China. He has worked at the Department of Mathematics at University of California, Irvine from 2016 to 2017. He has won the Wang Zhizhuo Innovation Prize in 2015. He has published 26 scientific papers in reputed journals and has been serving as a peer reviewer of the Geomatics and Information Science of Wuhan University. His research interests including Photogrammetry and Computer Vision, Image and Graphic Processing, Simultaneous Localization and Mapping (SLAM), Deep Learning and Artificial Intelligence.

Aquifer Vulnerability Aassessment in Parts of Yenagoa, Southern Niger Delta, Nigeria using GIS BASED ON DRASTIC METHOD

Willabo miepamo

University of Port Harcourt

Willabo Miepamo has a passion for conservation and preservation of the environment from further deteriorating. He organizes seminars, lectures and workshops to create public awareness on the dangers of groundwater contamination in host communities to multinational Oil companies. He holds a master degree in hydrogeology from the University of Port Harcourt, Nigeria. He teaches in the Federal Polytechnic Ekowe and provides solution to groundwater contamination challenges facing Southern Niger Delta States of Nigeria.

The Importance of GIS Mapping for Updating Data in Niger

Bassirou Inou Koulou

Abdou Moumouni Dioffo University of Niamey/Niger.

My name is INOU KOULOU Bassirou, Nigerien Nationality. I was born on 24/01/1989 in Tessaoua/Maradi where I had done my primary and secondary studies. After graduating in 2010, I enrolled at Abdou Moumouni University in Niamey in the Department of Geography where I graduated in 2013-2014 with a degree in Physical Geography, and after the bachelor's degree I had the possibility to go and do the Master 1 and 2 in the field of Environment, in Eco-Management/ Environmental Management at the intercontinental Sup'Management University of Fez in Morocco. Currently I am a member of a collaborative mapping community (OSM_Niger). And Member of the association of young ecologists for sustainable development, an organization in which we work to make our contribution for the preservation and management of the environment in

Remote sensing for groundwater resources development in the Ethiopian Terrain

Taddesse Bollollo

Addis Ababa University

Taddesse M. Bollollo is a PHD candidate in Addis Ababa University, Ethiopian Institute of water resources. He obtained his MSc from Addis Ababa University in 2004 specializing in GIS and remote sensing. He has expriences in groundwater investigation, water well and well field design, drilling supervision, remote sensing and GIS applications.

Change detection analysis on the impact of illegal mining (Galamsey) in Ghana; A case study focusing on land cover

Joseph Osei Ababio

Survey and Mapping Division of the Lands Commission

Joseph Osei Ababio is highly motivated Geomatic Engineer, Spatial Analyst, and Researcher with an excellent track record in Engineering Survey, Geodatabase management, Geospatial Analysis, Map Design and Amateur Programming from various disciplines including health, mining, construction, technology, and many others.

Land Capability/sustainability Mapping and Burning Issues of Cattle Grazing in Nigeria:Case study of Old Imo State in S.E.Nigeria

Josh Uzoma Ogbonna

Abia State University

Josh Uzoma Ogbonna is a Professor of Geography with specialization in Geographic Information Systems and Spatial Modelling. He is presently the Director of Linkages and Revenue Mobilization of Abia State University. He has published many papers in reputable international journals in the areas of gully erosion modelling and prediction, land management and appraisal.

Using the Standardized Precipitation Index (SPI) for short-term drought, a review

Kasongo Benjamin Malunda

University of Fort hare

Benjamin Malunda is currently a Masters Student registered at the University of Fort Hare, in the Department of GIS and Remote Sensing. he is pationate about water and climate reseach and software development.

Optimizing the de Martonne aridity index using adjustment values.

Kasongo Benjamin Malunda

University of Fort hare

Benjamin Malunda is currently a Masters Student registered at the University of Fort Hare, in the Department of GIS and Remote Sensing. he is pationate about water and climate reseach and software development.

Urban flood mapping in Akure using Remote Sensing and GIS approach

Oladeji Oluwadamilola Daniel

Federal University of Technology

Damilola has completed his BSc from the Federal University of Technology, Akure. He is a geospatial analyst with passion in space technology. He is the Nigeria National Point of Contact for the Space Generation Advisory Council and is a member of some other international space organizations.

A new approach to analyze factors controlling sediment yield and soil erosion risk using the newest current Satellite products data in

Abdelali Gourfi

Cadi Ayyad University

Abdelali Gourfi is a PhD Student at the Cadi Ayyad University. He is working on soil erosion risk and sedimentation of dams in Morocco. The co-authors (Lahcen Daoudi and Zhou Shi) have the degree of Ph-D, they participated in more than 200 paper published in international journals.

Title

Name

Affiliation

Biography

Major Scientific Sessions

- Remote Sensing
- GIS Techniques and Technologies
- GIS in renewable energy sources
- Remote Sensing in Urban Environment
- Seismology and Geodesy
- Geodynamics
- Spatial Analysis With GIS
- Global Navigation Satellite System (GNSS)
- Geostatistics
- Disaster assessment and management
- GIS Market
- Entrepreneurs Investment Meet

Best Poster Award



- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates



Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

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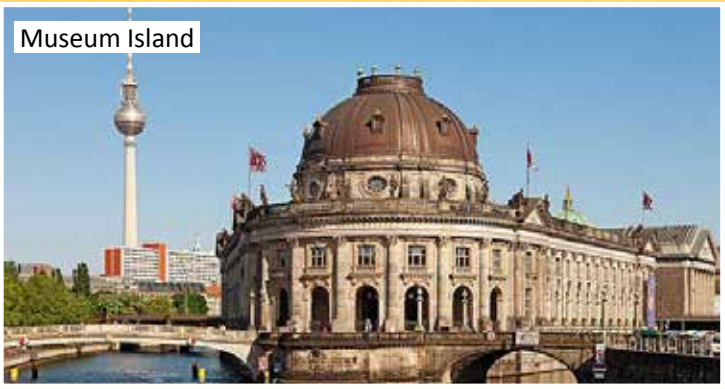


















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Day 1 October 02, 2017

Registrations

Fleming's 6

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Opening Ceremony

Keynote Forum

Introduction

Title: Multiscale geoscene analysis using VHR remote sensing images: Application to urban functional mapping

Shihong Du, Peking University, China

Coffee Break & Group Photo 10:50-11:15 @ Foyer

Sessions: Disaster Assessment and Management | Spatial Analysis with GIS | Remote Sensing in Urban Environment | GIS in renewable energy sources | GIS Techniques and Technologies

Session Chair: Shihong Du, Institute of Remote Sensing and GIS, Peking University, China

Session Co-chair: Arun B Inamdar, Indian Institute of Technology Bombay, India

Session Introduction

Title: Using spatial data to predict tsunami evacuation participation rate and trip generation

Khameis M Alabdouli, United Arab Emirates University, UAE

Title: Acoustic method of particle detection and its application for geophysics by means of ultra-high energy neutrino beam

Alexander Borissov, Heidelberg University, Germany

Title: Enhancing mine planning in Kenya - developing a spatial decision support system using a systems approach

Nashon J Adero, Technische Universität Bergakademie Freiberg, Germany

Lunch Break

Title: Construction of solar radiation simulation DB and solar radiation simulation system using GIS

Atsushi Shiota, Kyushu Institute of Technology, Tobata-ku Kitakyushu, Japan

Title: Alert of dangerous solar forcing on the earth

Shahinaz M. Yousef, Cairo University, Egypt

Title: *In situ* sensors for monitoring and control of pharmaceutical crystallization processes

Elena Simone, University of Leeds, UK

Workshop

Title: GIS survey of lucknow with the help of high resolution satellite images for identification and approximate costing of all buildings in urban and rural areas and generating cess @ 1.0 % of the cost of construction of those buildings which have been constructed since 2009 to generate the social welfare fund for workers

Shashi Bhushan, Vikas Buildtech private limited, India

Refreshment & Network

Panel Discussion & Networking

Day 2 October 03, 2017

Fleming's 6

Sessions: Remote Sensing | GIS Techniques and Technologies | Seismology and Geodesy | Global Navigation Satellite System

Session Chair: Shihong Du, Institute of Remote Sensing and GIS, Peking University, China

Session Co-Chair: Sadiq Abdullahi Yelwa, Usmanu Danfodiyo University, Nigeria

Session Introduction

Title: Analysis of stream network changes: A case study in Watonwan river watershed, Minnesota
Fei Yuan, Minnesota State University, USA
Title: A broad analysis of vegetation dynamics across Nigeria using standardized principal components from spot satellite data
Sadiq Abdullahi Yelwa, Usmanu Danfodiyo University, Nigeria

Coffee Break

Title: Change detection in land use and land cover using remote sensing data and GIS
Abdelkader EL GAROUANI, USMBA, Morocco
Title: The vulcanostratigraphy of bregada cililin caldera based on petrography and geomorphology identification, West Java, Indonesia
B Nur Ali, Pakuan University, Bogor, Indonesia
Title: Possible applications of remote sensing, GIS and GPS in drone-protected urban environments; safety, security and privacy
Negin Minaei, University of Windsor, Canada

Poster Session

GIS 01	**Title: Geodynamic activity and seismotectonic deformations of neotectonic structures of the Arctic-Asian seismic belt (Russian Arctic region)** **Imaev V S,** Institute of the Earth's Crust, SB RAS, Russia
GIS 02	**Title: GIS based inter-class change analysis of classified multi-temporal landsat satellite images at a drought–prone semi-arid river basin in India** **Arun B Inamdar,** Indian Institute of Technology Bombay, India
GIS 03	**Title: Long-term spatio-temporal analysis of seawater intrusion for sustainable ground-water management in Bhavnagar District** **Arun B Inamdar,** Indian Institute of Technology Bombay, India
GIS 04	**Title: Comparison between GPS measurements and interferometry to control mining subsidence in the Catalan basin** **Marc Bascompta,** ICL Sustainable Mining, Spain
GIS 05	**Title: The vulcanostratigraphy of bregada cililin caldera based on petrography and geomorphology identification, West Java, Indonesia** **B Nur Ali,** Pakuan University, Indonesia
GIS 06	**Title: The study of ore-controlling factors and prospective areas according to the remote sensing** **A Baibatsha,** Kazakh National Research Technical University, Republic of Kazakhstan

Lunch Break

14:00-14:30	**Title: Globe spatial four-tree subdivision grid system and spatial-temporal coding model for address** **Wu Pengda,** Chinese Academy of Surveying and Mapping, China
14:30-15:00	**Title: Analyzing morphological changes of riverine bars in a selected reach of the Padma River using GIS and social survey** **Shahreen Muntaha Nawfee,** Independent University, Bangladesh
15:00-15:30	**Title: Real-time fusion method of massive vector data and 3D terrain based on multithreading** **Zhendong Liu,** CASM, China
15:30-16:00	**Title: Research and practice on spatiotemporal big data cloud platform of the belt and road** **Zhaoting Ma,** Chinese Academy of Surveying and Mapping, China

Panel Discussion & Networking

Awards & Closing Ceremony

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Scientific Program

Day 1 August 01, 2016

Registrations

Conference Hall

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Opening Ceremony

Keynote Forum

Title: Streamline GIS and location applications
Xinhang Shen, NAC Geographic Products Inc., Canada

Group photo

Coffee Break

Title: Developing high-resolution global lake GIS database from landsat images
Yongwei Sheng, University of California Los Angeles (UCLA), USA

Sessions:
GIS | Remote Sensing | GIS Software | GIS in Mapping | GIS in Disaster Management

Session Introduction

Session Chair: N S Nethengwe, University of Venda, South Africa

Title: GIS and wireless technology: The positive impact on healthcare quality
Jeffrey P Harrison, University of North Florida, USA
Debra A Harrison, Mayo College of Medicine, USA

Lunch Break

Title: New orleans: Historic city with a poor memory
Craig E. Colten, Louisiana State University, USA
Title: Detecting *Seriphium plumosum* spatial distribution dominancy using some of abiotic variables in Msukaligwa Local Municipality, Mpumalanga
N S Nethengwe, University of Venda, South Africa
Title: Spatio-temporal modeling of traffic congestion triggered by incidents
Arfanara Najnin, Curtin University, Australia

Coffee Break

Title: Remote sensing approach to evaluate sediment diversions on the lower Mississippi River
Reda Amer, Tulane University, USA
Title: Feedbacks between fire and landscape using remote sensing and GIS
Olga Viedma, University of Castilla-La Mancha, Spain

Panel Discussion

Day 2 August 02, 2016

Conference Hall

Keynote Forum

Title: Lunar IceCube: Ushering in a new era of planetary remote sensing using small satellite platforms
Benjamin K Malphrus, Morehead State University, USA

Coffee Break

Title: New era of 3D coastal morphology mapping using LiDAR and unmanned aerial vehicle
Xuelian Meng, Louisiana State University, USA

Sessions:
Geodynamics | Digital Earth

Session Introduction

Session Chair: N S Nethengwe, University of Venda, South Africa

Title: *Schoenoplectus americanus* clones and genetic heat map across kirkpatrick marsh, edgwater, MD
Jennifer L Summers, Tulane University, USA
Title: Mobile data and individual client diagnostic acquisition from pgws call analysis utilizing spark and the hadoop ecosystem
Wilbert A.McClay, Northeastern University, USA

Lunch

Title: Spatio-temporal analysis of tuberculosis in relation to socio-economic and environmental factors
Iqra Ashraf, National University of Science and Technology, Islamabad

Title: Application of GIS in glaciology: Retreat of Saskatchewan Glacier, case report
Anar M Samedi, University of Calgary, Canada

Poster Presentations

GIS01	**Title: Impact of geophysics in small-scale mining** **Antonio Carlos Martins,** University of São Paulo, Brazil
GIS02	**Title: Determining the relationship between gully characteristics and environmental factors at subcatchment level using GIS and remote sensing in Zimbabwe** **F Dondofema,** University of Venda, South Africa
GIS03	**Title: Possibility of detection and identification of boats and vessels detected by day-night-band of VIIRS and synthetic aperture radar on RADARSAT** **Ichio Asanuma,** Tokyo University of Information Sciences, Japan
GIS04	**Title: Development of safety information management system** **Kyungsoo Pyo,** National Disaster Management Research Institute, Korea
GIS05	**Title: Quantifying spatiotemporal change in land use and land cover and accessing water quality: Case study of Missouri watershed James sub-region, North Dakota** **Papia Faustina Rozario,** North Dakota State University, USA
GIS06	**Title: Urban change detection method of multi-temporal remote sensing images** **V V Hnatushenko,** Oles Honchar Dnipropetrovsk National University, Ukraine **V V Vasiliev,** Oles Honchar Dnipropetrovsk National University, Ukraine

Coffee Break

Award Ceremony & Panel Discussion

Day 3 August 03, 2016

Networking

Lunch



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Opening Ceremony



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FUTURE MISSION is a ALZAHRANI SPACE INNOVATION Project with the goal of innovation and preparation a permanent human innovation centre in space, Participants will be able join mission team on Earth and in space starting 2018. FUTURE MISSION is a global initiative aiming to make innovation in space closer than we think. Join FUTURE MISSION's efforts to make Dream a Reality for mankind.

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Keynote Forum

Introduction

Capt. AbdullahAl Zahrani, Alzahrani Space Innovation, Poland
Dorian Gorgan, Technical University of Cluj-Napoca, Romania
Balwant Rai, Kepler Space Institute, USA

Networking & Refreshments

Group Photo

Sessions:

Space Missions | Space Exploration | Earthquake Engineering | Types of Satellites and Applications | Aerospace Engineering and Technology | Applications of Satellite Technology | Climate change and Weather forecasting

Session Chair: Dorian Gorgan, Technical University of Cluj-Napoca, Romania

Session Co-Chair: Joseph Seckbach, The Hebrew University of Jerusalem, Israel

Session Introduction

Mark A Skinner, The Boeing Company, USA
Balwant Rai, Kepler Space Institute, USA
Yüksel Altiner, Federal Agency for Cartography and Geodesy in Frankfurt am Main, Germany
Sunil C Joshi, Nanyang Technological University, Singapore
Stanislav I Klimov, Russian Academy of Sciences (IKI RAS), Russia
Daniel Casanova Ortega, University of Zaragoza, Spain
Massimo Materassi, Institute for Complex Systems of the National Research Council, Italy

Lunch Break

Oleg Troshichev, Arctic and Antarctic Research Institute, Russia
Chan Kheong Sann, Data Storage Institute (DSI), Singapore
Joseph Seckbach, The Hebrew University of Jerusalem, Israel
Oyvind G Gron, Oslo and Akershus University, Norway
Maffione Porzia Federica, Politecnico di Torino, Italy

Networking & Refreshments 15:15-15:30 @ Main Lobby

Moisés Meza Pariona, State University of Ponta Grossa, Brazil
Alberto Gallina, AGH University of Science and Technology, Poland
Erwin De Donder, Royal Belgian Institute for Space Aeronomy, Belgium
Mohamed Mhmod, Jilin University, China
Alexander M Krot, United Institute of Informatics Problems of National Academy of Sciences, Belarus

Networking & Refreshments

Sathish Ayyappa, University of Agricultural Sciences, India
Yasser A Abdel-Hadi, National Research Institute of Astronomy and Geophysics (NRIAG), Egypt
Hongfei Wang, Chinese Academy of Sciences, China
Muhammad Shakir, University of Chinese Academy of Sciences, China

Panel Discussion

Day 2 July 22, 2016

Emporio II

Keynote Forum

Introduction

Barbara Koch, Albert-Ludwigs University of Freiburg, Germany
Oyvind G Gron, Oslo and Akershus University, Norway
Stanislav I Klimov, Institut Kosmicheskih Issledovanyi - RAS, Russia

Networking & Refreshments

Sessions:

Orbital Mechanics | Satellite Remote Sensing and GIS | Satellite Subsystems | Satellite Communication | Satellite Navigation and Communication | LTE-based ground network and Satellite networks

Session Chair: Barbara Koch, Albert-Ludwigs University of Freiburg, Germany
Session Co-Chair: Nicolas H Younan, Mississippi State University, USA

Session Introduction

Dennis Wingo, Skycorp Incorporated, USA
Nicolas H Younan, Mississippi State University, USA
Barbara Koch, Albert-Ludwigs University of Freiburg, Germany
Valentine A Yankovsky, St. Petersburg State University, Russia
Elena Ancona & Roman Ya Kezerashvili, Polytechnic University of Turin, Italy/The City University of New York, USA
Joaquín Alonso Montesinos, University of Almería, Spain
Pier Matteo Barone, The American University of Rome, Italy

Lunch Break

Luiz Sampaio Athayde Junior, UFBA-Federal University from Bahia, Brazil
Victor V Ionov, St. Petersburg State University, Russia
Mikhail Yu. Puzachenko, Institute of Geography RAS, Russia
Ebrahim Taherzadeh Mobarakeh, Ground Data Solutions R&D Sdn Bhd, Malaysia
Seong Chan Jun, Yonsei University, Korea

Networking & Refreshments

Poster Presentations

Meryem Tahri, University Hassan II, Morocco
Hamisai Hamandawana, University of Fort Hare, South Africa
Sunil C Joshi, Nanyang Technological University, Singapore

Networking & Refreshments

Dorian Gorgan, Victor Bacu, Constantin Nandra, Technical University of Cluj-Napoca, Romania
Lotfy Kamal Azaz, Menofya University, Egypt

Panel Discussion

Award Ceremony

Day 3 July 23, 2016

Extended Networking Session