



**KARABUK
UNIVERSITY**

**4th International
Workshop on
GeoInformation Science**

**14-15
OCTOBER**

GEOADVANCES 2017

Karabuk University
Safranbolu Campus
(Fethi Toker GSTF)
Conference Halls
Safranbolu/Turkey



**International Society for Photogrammetry
and Remote Sensing**

www.geoadvances.org



KARABUK UNIVERSITY

GEOADVANCES 2017

4th International Workshop on Geoinformation Science

CONFERENCE CHAIRS

Ismail Rakip Karas, Karabuk University
Umit Isikdag, Mimar Sinan Fine Arts University
Alias Abdul Rahman, Universiti Teknologi Malaysia
F. Anton Castro, Technical University of Denmark

LOCAL ORGANIZING COMMITTEE

Ismail Rakip Karas, Karabuk University
Muhammed Kamil Turan, Karabuk University
Umit Atila, Karabuk University
Kasim Ozacar, Karabuk University
Yasin Ortakci, Karabuk University
Idris Kahraman, Karabuk University
Emrullah Demiral, Karabuk University
Berna Gunes, Karabuk University
Kadriye Oz, Karabuk University
Hacer Kübra Köse, Sinop University

Supported by



Ziraat Bankası

Supported by TUBITAK
Etkinlik, TÜBİTAK desteklidir

THE TOPICS OF THE WORKSHOP

- GIS, Geo-Informatics, Geographical Information Systems, 2D/3D GIS, 2D/3D City Modeling, 3D Generalization, 3D Geo visualization, Spatial Data Infrastructure (SDI), Open Source GIS, Web GIS, Crowdsourcing and Volunteered Geographic Information (VGI), Disaster Management, Dynamic GIS, Decision Support Systems. Modern (3D/4D) Cadastre, GIS in Civil Engineering, Urban Planning, Architecture, Geology, Forestry, and Environment, etc.
- Multi-dimensional & Multi-scale Spatial Data Modeling, Spatial Data and Model Quality, Spatial Database, Data Infrastructure & Integration, Data Acquisition and Processing, Spatial Reasoning and Spatial Data Mining, Interoperability, Geostatistics, Computer Graphics and Cloud Computing For Spatial Data and Information
- Location Based Services, Outdoor and indoor positioning, wayfinding and navigation, Smartphone-based positioning, Smart environments and Ambient Spatial Intelligence, Location-based social networks, Geotagged big data, 3D and Augmented Reality, Transportation Applications, Building Information Modeling (BIM)
- Geomatics, GPS, GNSS, Engineering Surveying, Industrial Surveying, Deformation Surveys
- Remote Sensing, Pattern and Image Processing, Oceanography, Meteorology RS, RADAR, Hyperspectral RS, etc
- Photogrammetry, Terrestrial and Airborne Laser Scanning, Close-Range, Unmanned Aerial Vehicle (UAV), Sensor Calibration and Integration, Sensor Modelling, Texture Mapping, Mobile Mapping
- Internet of Things technologies, Geoinformation for Mobile, Wearable Technologies and Wireless Sensor Networks

4th International Workshop on Geoinformation Science **CONGRESS PROGRAMME**

Karabuk University, Safranbolu Campus (Fethi Toker GSTF) Conference Halls

13

OCTOBER 2017

Tutorials (Check the conference web page for details)

08.00
09.30 **Registration**

09.30
10.00 **Opening Speech**

10.00
10.30 **Cultural Event**

10.30
11.00 **Keynote 1 - Filip Biljecki**, National University of Singapore - "Level of Detail in 3D City Models"

11.00
11.30 **Tea / Coffee Break**



1st Paralel Session (Hall 1) 14 October 2017

11.30
13.00 **Süleyman Eken**, Eray Aydın and Ahmet Sayar.
23-DIFET: DISTRIBUTED FEATURE EXTRACTION TOOL FOR HIGH SPATIAL RESOLUTION
REMOTE SENSING IMAGES

Vincenzo Barrile, Giuliana Bilotta and Antonino Nunnari.
83-UAV AND COMPUTER VISION, DETECTION OF INFRASTRUCTURE LOSSES AND 3D MODELING

SESSION 1 HALL 1 **Kasım Özacar**, Yasin Ortakçı, Idris Kahraman, Rafet Durgut and Ismail Rakip Karas.
108-A LOW-COST AND LIGHTWEIGHT 3D INTERACTIVE REAL ESTATE-PURPOSED INDOOR
VIRTUAL REALITY APPLICATION

Chair:
Alias
Abdul
Rahman

Bulent Bayram, Firat Erdem, Burak Akpinar, Abdulkadir Ince, Salih Bozkurt,
Hatice Catal Reis and Dursun Zafer Seker.
104-THE EFFICIENCY OF RANDOM FOREST METHOD FOR SHORELINE EXTRACTION
FROM LANDSAT-8 AND GOKTURK-2 IMAGERIES

Bulent Bayram, **Alper Sen**, Mahmut Oguz Selbesoglu, Inese Värna, Peteris Petersons,
Nedim Onur Aykut and Dursun Zafer Seker.
109-COMPARISON OF TWO SIMPLIFICATION METHODS FOR SHORELINE EXTRACTION
FROM DIGITAL ORTHOPHOTO IMAGES

Abdurrahman Geymen. 92-DEVELOPMENT OF A CITY GUIDE ON THE ANDROID PLATFORM:
AN EXAMPLE OF THE PROVINCE OF KAYSERI



1st Paralel Session (Hall 2) 14 October 2017

11.30
13.00 **Bayram Cemil Bilgili**, Sabit Erşahin and Murat Özyavuz.
36-SPATIAL PREDICTION OF AIR TEMPERATURE IN EAST CENTRAL ANATOLIA OF TURKEY

Gijs van Den Dool.
19-GLOBALLY-APPLICABLE PREDICTIVE WILDFIRE MODEL - A TEMPORAL-SPATIAL GIS
BASED RISK ANALYSIS USING DATA DRIVEN FUZZY LOGIC FUNCTIONS

SESSION 1 HALL 2

Ali Ihsan Durmaz.
37-CREATING DIGITAL ELEVATION MODEL USING A MOBILE DEVICE

Chair:
Abdullah
Emin
Akay

Can Telkenaroglu and Mehmet Dikmen.
4-DEFORESTATION DUE TO URBANIZATION: A CASE STUDY FOR TRABZON, TURKEY

Kadir Gürgey and Serhat Canbolat.
93-APPLICATION OF MULTIVARIATE STATISTICAL ANALYSIS TO BIOMARKERS
IN SE-TURKEY CRUDE OILS

Kivanc Babacan, Leihan Chen and Gunho Sohn.
87-SEMANTIC SEGMENTATION OF INDOOR POINT CLOUDS USING CONVOLUTIONAL
NEURAL NETWORK



4th International Workshop on GeoInformation Science

CONGRESS PROGRAMME

14

OCTOBER 2017

1st Paralel Session (Hall 3) 14 October 2017

11.30 **Al Akad Sultan**, Akenous Youness and Hakdaoui Mustapha.
13.00 18-MAPPING INFECTED AREA AFTER A FLASH-FLOODING STORM USING MULTI CRITERIA ANALYSIS AND SPECTRAL INDICES MUKALLA YEMEN

Şafak Altay Açar and Şafak Bayır.

111-PRE-PROCESSES FOR URBAN AREAS DETECTION IN SAR IMAGES

SESSION 1 HALL 3

Burcu Güldür Erkal and Nurdan M. Apaydın.

61-BRIDGE SURFACE DAMAGE DETECTION APPLICATION WITH A LASER-BASED SOFTWARE PROTOTYPE

Chair:
Caner
Güney

Fatih Aydın and Osman Çepni.

94-INVESTIGATION OF ALTERNATIVE TOURISM TYPES AND SIGHTS VIA GEOGRAPHIC INFORMATION SYSTEMS: THE EXAPLE OF SAFRANBOLU

Gamze Bediroglu and Husniye Ebru Colak.

103-CLOUD GIS BASED WATERSHED MANAGEMENT SPATIAL ANALYSIS & QUERIES



13.00 **Lunch Break**
14.00



14.00 **Keynote 2 - Alias Abdul-Rahman**, Department of Geoinformation, Universiti Teknologi Malaysia
14.30 "Innovations in 3D Geo Information Systems"



2nd Paralel Session (Hall 1) 14 October 2017

16.00 Abdullah E. Akay and **Abdullah Erdoğan**.
14.30 97-GIS-BASED MULTI-CRITERIA DECISION ANALYSIS FOR FOREST FIRE RISK MAPPING

Abdullah E. Akay and **Başak Yılmaz**.
74-USING GIS AND AHP FOR PLANNING PRIMER TRANSPORTATION OF FOREST PRODUCTS

SESSION 2 HALL 1

Vincenzo Barrile, Giuliana Bilotta and **Antonino Nunnari**.

81-3D MODELING WITH PHOTOGRAMMETRY BY UAVS AND MODEL QUALITY VERIFICATION

Chair:
Filip
Biljecki

Vincenzo Barrile, Giuliana Bilotta, Giuseppe M. Meduri, Domenico De Carlo and Antonino Nunnari.
79-LASER SCANNER TECHNOLOGY, GROUND-PENETRATING RADAR AND AUGMENTED REALITY FOR THE SURVEY AND RECOVERY OF ARTISTIC, ARCHAEOLOGICAL AND CULTURAL HERITAGE

Yuhuai Zeng and Faming Wang.

30-AN ANALYSIS OF FOREST LANDSCAPE SPATIAL PATTERN IN GUANGZHOU

Behnam Alizadehashrafi and Alias Abdul Rahman.

42-USING AFFORDABLE DATA CAPTURING DEVICES FOR AUTOMATIC 3D CITY MODELING



2nd Paralel Session (Hall 2) 14 October 2017

14.30 **Zulaikha Mohd**, Uznir Ujang and Tan Liat Choon.
16.00 68-HERITAGE HOUSE MAINTENANCE USING 3D CITY MODEL APPLICATION DOMAIN EXTENSION APPROACH

SESSION 2 HALL 2

Mohammad Awrangjeb.

10-CLASSIFIER-FREE DETECTION OF POWER LINE PYLONS FROM POINT CLOUD DATA

Chair:
Bülent
Bayram

Mohammad Awrangjeb and Fasahat Siddiqui.

11-A NEW MASK FOR AUTOMATIC BUILDING

DETECT ON FROM HIGH DENSITY POINT CLOUD DATA AND MULTISPECTRAL IMAGERY.

Tauseef Ahmad, Arvind Chandra Pandey and Amit Kumar.

77-IMPACT OF FLOODING ON LAND USE/LAND COVER TRANSFORMATION IN WULAR LAKE AND ITS ENVIRONS, KASHMIR VALLEY, INDIA USING GEOINFORMATICS

Turgay Dindaroglu, Recep Gündogan and Sercan Gulci. 12-DETERMINATION OF THE ACTUAL LAND USE PATTERN USING UNMANNED AERIAL VEHICLES AND MULTISPECTRAL CAMERA

Güldane Oku Topal and Vahap Engin Güla. 33-MONITORING OF ENGINEERING BUILDINGS BEHAVIOUR WITHIN THE DISASTER MANAGEMENT SYSTEM





4th International Workshop on GeoInformation Science

CONGRESS PROGRAMME


14

OCTOBER 2017


2nd Paralel Session (Hall 3) 14 October 2017

14.30 16.00	<p>Huseyin Yurtseven, Mustafa Akgul and Sercan Gulci. 112-MODELLING SINGLE TREE STRUCTURE WITH TERRESTRIAL LASER SCANNER</p> <p>Sercan Gulci, Turgay Dindaroglu and Recep Gundogan. 13-GENERATION AND ASSESSMENT OF HIGH RESOLUTION DIGITAL SURFACE MODEL BY USING UNMANNED AIR VEHICLE BASED MULTICOPTER</p>	
SESSION 2 HALL 3	<p>Sercan Gülci, Mustafa Akgül, Abdullah E. Akay and Inanç Tas. 107-USING READY-to-USE DRONE IMAGES in FORESTRY ACTIVITIES: CASE STUDY of ÇINARPINAR in KAHRAMANMARAS, TURKEY</p>	
Chair: Taner Üstüntaş	<p>Mehmet Zahid Yildirim and Caner Ozcan. 47-EXTRACTION OF GREENHOUSE AREAS WITH IMAGE PROCESSING METHODS IN KARABUK PROVINCE</p> <p>Mohamed Gamal and Ahmed Saifaldin. 117-GIS Web Application Potentials Analysis, Distribution Analysis for Hotels in Khartoum State</p> <p>Abdullah Akpınar. 35-ASSESSING THE ASSOCIATIONS BETWEEN TYPES OF GREEN SPACE, PHYSICAL ACTIVITY, AND HEALTH INDICATORS USING GIS AND PARTICIPATORY SURVEY</p>	
16.00 16.30	Tea / Coffee Break	

3rd Paralel Session (Hall 1) 14 October 2017

16.30 18.00	<p>Abdullah E. Akay, Burhan Gencal and İnanç Taş . 106-SPATIOTEMPORAL CHANGE DETECTION USING LANDSAT IMAGERY: THE CASE STUDY OF KARACABEY FLOODED FOREST, BURSA, TURKEY</p> <p>Mustafa Ulukavak and Mualla Yalcinkaya. 15-INVESTIGATION OF THE RELATIONSHIP BETWEEN IONOSPHERIC TEC ANOMALY VARIATIONS AND FAULT TYPES BEFORE THE EARTHQUAKES</p>	
SESSION 3 HALL 1	<p>Bhaskar Reddy Pulsani. 5-TANK INFORMATION SYSTEM (TIS): A CASE STUDY IN MIGRATING WEB MAPPING APPLICATION FROM FLEX TO DOJO FOR ARCGIS SERVER AND THEN TO OPEN SOURCE</p>	
Chair: Behnam Alizadehashrafi	<p>Bhaskar Reddy Pulsani. 6-MEGASITE MANAGEMENT TOOL (MMT) : A DECISION SUPPORT SYSTEM BUILT USING MAPWINDOW ACTIVEX CONTROL</p> <p>Caner Guney. 113-TOWARDS TO INTELLIGENT INDOOR LOCALIZATION SOLUTION.</p> <p>Arif Cagdas Aydinoglu and Rabia Bovkir. 118-AN APPROACH for CALCULATING LAND VALUATION by USING INSPIRE DATA MODELS.</p>	

3rd Paralel Session (Hall 2) 14 October 2017

16.30 18.00	<p>Levent Sabah and Mehmet Şimşek. 64-INVESTIGATION OF SPATIAL DATA WITH OPEN SOURCE SOCIAL NETWORK ANALYSIS AND GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS</p>	
SESSION 3 HALL 2	<p>Levent Sabah and Mehmet Şimşek. 69-HIGHWAYS DISTURBANCE DETECTION WITH THE USE OF OPEN SOURCE CODE GEOGRAPHIC INFORMATION SYSTEMS, MOBILE AND WEB APPLICATIONS</p>	
Chair: Saffet Erdoğan	<p>Mehmet Gunduz, Umit Isikdag and Melih Basaraner. 99-INTEGRATION OF BIM, WEB MAPS AND IOT FOR SUPPORTING COMFORT ANALYSIS</p> <p>Fred Ernst, Saffet Erdoğan, Mehmet Yılmaz, Mustafa Ulukavak, Halil İbrahim Şen and Abdulkadir Memduhoğlu. 17-A NEW MASTERPLAN FOR HARRAN UNIVERSITY BASED ON GEODESIGN</p>	

4th International Workshop on GeoInformation Science **CONGRESS PROGRAMME**

14**OCTOBER 2017****3rd Paralel Session (Hall 3) 14 October 2017****16.30**Bora Berkay Çiftçi, **Semih Kuter**, Zuhul Akyürek and Gerhard-Wilhelm Weber.**18.00**

7-FRACTIONAL SNOW COVER MAPPING BY ARTIFICIAL NEURAL NETWORKS AND SUPPORT VECTOR MACHINES

Abdullah ince kara, Dursun eker, Ahmet Delen and Alparslan Acar.**SESSION 3
HALL 3**

60-INVESTIGATING THE SUITABILITY OF MIRRORLESS CAMERAS IN TERRESTRIAL PHOTOGRAMMETRIC APPLICATIONS

Chair:Mustafa
Akgül**Halil İbrahim Senol**, Saffet Erdoğan, Mehmet Önal, Mustafa Ulukavak, Abdulkadir Memduhoğlu, Semih Mutlu, Fred Barış Ernst, Mehmet Yılmaz.

52-3D MODELING OF A BAZAAR IN ANCIENT HARRAN CITY USING LASER SCANNING

Furkan Sabaz and Ümit Atila.

115-ROI DETECTION AND VESSEL SEGMENTATION IN RETINAL IMAGE

Mai Anati, Nancy Arman, Ghaydaa Shakarnah, Doaa Natshah and **Maher Al-Jabari**.

101-GIS SPATIAL DISTRIBUTION OF THE INDUSTRIAL HAZARDOUS WASTE IN HEBRON CITY

Mai Anati, Nancy Arman, Ghaydaa Shakarnah, Doaa Natsheh and **Maher Al-Jabari**.

100-ESTABLISHING INVENTORY OF INDUSTRIAL HAZARDOUS WASTE CASE STUDY: HEBRON CITY

19.00**Gala Dinner**

4th International Workshop on GeoInformation Science

CONGRESS PROGRAMME

15
OCTOBER 2017

10.00 **Keynote 3 - Sedat Bakıcı**, Head of Geomatics Department, General Directorate of Land Registry and Cadastre in Turkey - "SDI in Turkey and Extended Spatial Projects in Fraternal Countries by Turkish Government"

10.30 **Tea / Coffee Break**



4th Paralel Session (Hall 1) 15 October 2017

11.00 **Davood Akbari**. 1-AN EXTENDED SPECTRAL-SPATIAL CLASSIFICATION APPROACH FOR HYPERSPECTRAL DATA

12.30 **Davood Akbari**. 2-A NEW SPECTRAL-SPATIAL FRAMEWORK FOR CLASSIFICATION OF HYPERSPECTRAL DATA

SESSION 4
HALL 1

Sedat Bakıcı, Bilal Erkek, Ali ilbey and Erkan Kulaksiz.
26-BUSINNES MODEL OF CORS-Tr (TUSAGA-Aktif)

Chair: **Sedat Bakıcı**, Bilal Erkek, Ekrem Ayyildiz and Levent Özmüş.
28-THE USE OF 3D CITY MODELS FORM OBLIQUE IMAGES ON LAND ADMINISTRATION

Sedat Bakıcı, Bilal Erkek, Volkan Manti and **Alper Altekin**.
27-TRUSTED DATA COMMUNICATION AND SECURITY ISSUES IN GNSS NETWORK OF TURKEY

Narges Ganjali and Caner Guney.
65-COMBINATION OF GIS AND GAME THEORY IN WATER RESOURCE MANAGEMENT PROBLEMS

4th Paralel Session (Hall 2) 15 October 2017

11.00 Syed Najam Ul Hassan, Aftab Khan and Dostdar Hussain.
12.30 78-MORPHOMETRIC ANALYSIS TO PRIORITIZE SUB-WATERSHED FOR FLOOD RISK ASSESSMENT IN CENTRAL KARAKORAM NATIONAL PARK USING GIS / RS APPROACH

SESSION 4
HALL 2

Naci Yastikli and **Ömer Zubeyr Özerdem**. 122-ARCHITECTURAL HERITAGE DOCUMENTATION BY USING LOW COST UAV WITH FISHEYE LENS:OTAG-I HUMAYUN IN ISTANBUL AS A CASE STUDY

Nizar Polat and Murat Uysal.
88-DTM GENERATION WITH UAV BASED PHOTOGRAMMETRIC POINT CLOUD

Chair: Núria Devantherý, Michele Crosetto, Oriol Monserrat, María Cuevas-González, Anna Barra and Bruno Crippa. 22-DEFORMATION MONITORING USING SENTINEL-1 SAR DATA

Oya Burcu Bakioglu, Hüseyin Topan, Mustafa Özendi and Ali Cam.
16-PANSHARPENING OF RASAT AND GÖKTÜRK-2 IMAGES VIA HIGH PASS FILTER

Fatemeh Alidoost and **Hossein Arefi**. 89-COMPARISON OF UAS-BASED PHOTOGRAMMETRY SOFTWARE FOR 3D POINT CLOUD GENERATION: A SURVEY OVER A HISTORICAL SITE

4th Paralel Session (Hall 3) 15 October 2017

11.00 **Abolfazl Abdollahi** and Hamid Reza Riyahi Bakhtiari.
12.30 45-ROADS DATA CONFLATION USING UPDATE HIGH RESOLUTION SATELLITE IMAGES

SESSION 4
HALL 3

Aziz Cumhur Kocalar. 91- LIFE CYCLE DATA ANALYSIS FOR SMART CITIES AND SUPPORT WITH GEOGRAPHIC INFORMATION SYSTEM (GIS)

Chaabane Mohamed Salem, Abouali Naima, Boumeaza Taieb and Zahouily Mohamed.
84-GEOSPATIAL TOOLS FOR PREVENTION OF URBAN FLOODS CASE STUDY:

RIVER OF EL MALEH (CITY OF MOHAMMEDIA – MOROCCO)

Chair: **Fatih Sari**.
59-SINKHOLE SUSCEPTIBILITY ANALYSIS FOR KARAPINAR/KONYA VIA MULTI CRITERIA DECISION

İsmail Dursun. 25-STANDARDIZATION OF PROPERTY QUALITIES

Ebenezer Gyamera, Anthony Arko-Adjei, Edward Duncan and Jerry Kuma.
123-MODELLING PARTICIPATORY GEOGRAPHIC INFORMATION SYSTEM FOR CUSTOMARY LAND CONFLICT RESOLUTION.

Muhammed Kamil Turan, Emre Yücer, **Eftal Şehirli** and İsmail Rakıp Karaş.

120-ESTIMATION OF POPULATION NUMBER VIA LIGHT ACTIVITIES ON NIGHT-TIME SATELLITE IMAGES

4th International Workshop on GeoInformation Science

CONGRESS PROGRAMME

12.30 13.30	Lunch Break	
13.30 14.00	Keynote 4 - Ihab Hamzi Hijazi , Technical University of Munich and An-Najah National University, Palestine - "Cities and Information Architecture: Stocks and Flows and 3D City Models"	
5th Paralel Session (Hall 1) 15 October 2017		
14.00 15.30	Aleksei Rozentsov, Nikolay Parsaev, Anatolii Leukhin, Vladimir Bezrodnyi and Andrei Voronin. 85-3D SYNTHETIC APERTURE RADAR IMAGE	
SESSION 5 HALL 1	Aysin Karakacan Kuzucu and Filiz Bektas Balcik. 71-TESTING THE POTENTIAL OF VEGETATION INDICES FOR LAND USE/COVER CLASSIFICATION USING HIGH RESOLUTION DATA	
Chair: Naserr Abu Zaid	Azize Uyar and Necla Ulugtekin. 51-A PROPOSAL FOR GENERALIZATION of 3D MODELS	
	Boubakri Said and Hassan Rhinane. 56-THE CONTRIBUTION OF GIS TO DISPLAY AND ANALYZE THE WATER QUALITY DATA COLLECTED BY A WIRELESS SENSOR NETWORK:CASE OF BOUREGREG CATCHMENT, MOROCCO	
	Sevcen Kahraman and Alp Ertürk. 54-A COMPREHENSIVE REVIEW OF PANSHARPENINGALGORITHMS FOR GÖKTÜRK-2 SATELLITE IMAGES	
	Fuad Al Nahmi , Omar Saddiqi, Atika Hilali, Hassan Rhinane, Lahssan Baidder, El Hassan El Arabi and Khalid Khanbari. 53-APPLICATION REMOTE SENSING FOR GEOLOGICAL MAPPING, CASE STUDY AI MAGHRABAH AREA – HAJJAH REGION, YEMEN	
5th Paralel Session (Hall 2) 15 October 2017		
14.00 15.30	Ismail Buyuksalih , Serdar Bayburt, Gurcan Buyuksalih, Arif Peyami Baskarac, Hairi Karim and Alias Abdul Rahman. 90-3D MODELLING AND VISUALIZATION BASED ON THE UNITY GAME ENGINE – ADVANTAGES AND CHALLENGES	
SESSION 5 HALL 2	Hicret Gursoy Surmeneli and Mehmet Alkan. 48-DATABASE DESIGN TO PRESENT ON THE MAP OF THE CITY FURNITURE: ADVERTISING ELEMENTS CONCERNED	
Chair: Hüseyin Topan	Jahnavi Burnham and Albert Chong. 21-USE OF GEOGRAPHICAL INFORMATION SYSTEMS TO STUDY THE HENDRA VIRUS DISEASE OUTBREAKS IN AUSTRALIA	
	Kumari Pritee and Dr. R.D. Garg. 32-IDENTIFICATION OF OPTIMUM SHORTEST PATH USING MULTIPATH DIJKSTRA'S ALGORITHM APPROACH	
	Kemal Şahin and Umit Isikdag. 105-A WEB API AND WEB APPLICATION DEVELOPMENT FOR DISSEMINATION OF AIR QUALITY INFORMATION	
	Oğuzhan Menemencioğlu and İlhami Muharrem Orak. 86-GEOGRAPHICAL ASSESMENT OF RESULTS FROM PREVENTING THE PARAMETER TAMPERING IN A WEB APPLICATION	
5th Paralel Session (Hall 3) 15 October 2017		
14.00 15.30	Berk Anbaroğlu . 34-PARCEL DELIVERY IN AN URBAN ENVIRONMENT USING UNMANNED AERIAL SYSTEMS: A VISION PAPER	
SESSION 5 HALL 3	Ercument Ayazli, Seher Baslik, Ahmet Emir Yakup, Derya Kotay, Fatmagul Kilic Gul and Mahmut Gultekin. 116-CREATING OF PARCEL BASED URBAN GROWTH SIMULATION MODEL FROM CADASTRAL MAPS	
Chair: Kasim Özacar	H. Ebru Colak and Tugba Memisoglu . 24-TEMPORAL CHANGES OF LAND USE CAPABILITY CLASSIFICATION DEPENDING ON THE URBAN DEVELOPMENT: CASE STUDY OF TRABZON PROVINCE	
	Ahmet Sakir Dokuz and Mete Celik. 41-FAST SS-ILM: A COMPUTATIONALLY EFFICIENT ALGORITHM TO DISCOVER SOCIAL IMPORTANT LOCATIONS	
	Hacer Kubra Sevinc and Ismail Rakıp Karaş. 121-THE DATA RELIABILITY OF VOLUNTEERED GEOGRAPHIC INFORMATION WITH USING TRAFFIC ACCIDENT DATA	
	Alicia Colmenero . 82-A METHODOLOGY TO ADAPT PHOTOGRAMMETRIC MODELS TO VIRTUAL REALITY FOR OCULUS GEAR VR. LUGO'S MITHRAEUM.	
15.30 16.00	Tea/Coffee Break	

4th International Workshop on GeoInformation Science

CONGRESS PROGRAMME

15

OCTOBER 2017

6th Paralel Session (Hall 1) 15 October 201716.00
17.30**Alihsan Sekertekin**, Ayca Murat Marangoz and Hakan Akcin.
44-PIXEL-BASED CLASSIFICATION ANALYSIS OF LAND USE LAND COVER USING SENTINEL-2 AND LANDSAT-8 DATA

Samira Badrloo and Masoud Varshosaz.

SESSION 6
HALL 1

8-BRAIN-INSPIRED VISION BASED OBSTACLE DETECTION IN UAV IMAGING

Nikola Vucic, Mario Mader, Miodrag Roic and **Sasa Vranic**.

40-TOWARDS A CROATIAN 3D CADASTRE BASED ON THE LADM

Chair:
Ümit
Atila**Gordana Kaplan** and Ugur Avdan.

43-MAPPING AND MONITORING WETLANDS USING SENTINEL-2 SATELLITE IMAGERY

Insannul Kamil, Mego Plamonia, Aditia Andrika and Buang Alias. 98-A STUDY OF THE DEVELOPMENT OF GIS ALGORITHM FOR STRATEGIC ROAD MAINTENANCE SYSTEM IN DISASTER ZONE IN INDONESIA**Muhammad Usman**, Janet Nichol and Man-Sing Wong. 72-MAPPING TREE CROWN AREA AND ABOVEGROUND BIOMASS IN THE AGROFORESTRY LANDSCAPE OF WEST AFRICA6th Paralel Session (Hall 2) 15 October 201716.00
17.30**Fatih Sari** and Durmuş Ali Ceylan. 58-SITE SUITABILITY ANALYSIS FOR BEEKEEPING VIA ANALYTICAL HIERARCHY PROCESS, KONYA EXAMPLE**Fulya Başak Saryılmaz**, Nebiye Musaoğlu and Nejla Ulu tekin. 70-PRODUCING INFORMATION FOR CORINE DATABASE BY USING CLASSIFICATION METHOD: A CASE STUDY OF SAZLIDERE BASIN, ISTANBULSESSION 6
HALL 2Deniz Sanliyüksel Yucel, **Mehmet Ali Yucel** and Burcu İleri. 114-MONITORING METAL POLLUTION LEVELS IN MINE WASTES AROUND A COAL MINE SITE USING GISChair:
Yasin
Ortakçı**Gokhan Gurbuz**, K. Sedar Gormus and Umut Altan.

66-INVESTIGATION OF THE AIR QUALITY CHANGE EFFECT ON GNSS SIGNALS

Naser Abu-Zaid.

102-MULTIPLE AND SINGLE GREEN AREA MEASUREMENTS AND CLASSIFICATION USING PHANTOM IMAGES IN COMPARISON WITH DERIVED EXPERIMENTAL LAW

Nida Çelik Şimşek and Bayram Uzun.

63-USING 3D BIM MODEL FOR THE VALUE-BASED LAND SHARE CALCULATIONS

6th Paralel Session (Hall 3) 15 October 201716.00
17.30**Recep Gündoğan**, Veysel Alma, Turgay Dindaroğlu, Hikmet Günel, Tuğrul Yakupoğlu, Tekin Susam and Kadir Saltalı.

9-MONITORING AND ESTIMATION OF SOIL LOSSES FROM EPHEMERAL GULLY EROSION IN MEDITERRANEAN REGION USING LOW ALTITUDE UNMANNED AERIAL VEHICLES

SESSION 6
HALL 3**Muhittin Inan**, Ebru Bilici and Abdullah Emin Akay.

110-USING AIRBORNE LIDAR DATA FOR ASSESSMENT OF FOREST FIRE FUEL LOAD POTENTIAL

Pınar Karakus and Hakan Karabork. 62-ESTIMATING CROP COVER FRACTION FROM DIGITAL COLOR IMAGESChair:
Rani
El-Meouche**Hilmi Dindar**, Kamil Dimililer, Özkan Cevdet Özda, Cavit Atalar, Mustafa Akgün and Arif Özyankı.

67-VULNERABILITY INDEX ASSESSMENT USING NEURAL NETWORKS: A CASE STUDY OF NICOSIA, CYPRUS

Hayrunnisa Sarı, Süleyman Eken and Ahmet Sayar.

80-AN APPROACH FOR STITCHING SATELLITE IMAGES IN A BIGDATA MAPREDUCE FRAMEWORK

Eftal Şehirli, Muhammed Kamil Turan and Emrullah Demiral.

119-AN ALGORITHM TO DETECT THE RETINAL REGION OF INTEREST

Naci Yastıklı and **Zehra Cetin**.

14-AUTOMATIC 3D BUILDING MODEL GENERATIONS WITH AIRBORNE LIDAR DATA



17.45

Closing Speech (Hall 1)
Presentations of Candidates for GeoAdvances 2018

City Tour (Check the conference web page for details)

16

OCTOBER 2017