GSW'2023 Conference Agenda

The ISPRS Geospatial Week - Egypt GSW'2023

Date: Saturd	lay, 02/Sept/2023		
8:30am - 10:00am	T1-1: Sensor Fusion for Mapping and Navigation Location: Pavilion-Hall5 Chair: Dr. Mohamed Mostafa, Trimble, Canada	T2-1: Deep Learning in Remote Sensing: Algorithms and Applications Location: Pavilion-Hall1 Chair: Prof. Henry Leung, University of Calgary, Canada	
10:00am	CB: Coffee Break		
- 10:30am			
10:30am - 12:00pm	T1-2: Sensor Fusion for Mapping and Navigation Location: Pavilion-Hall5 Chair: Dr. Mohamed Mostafa , Trimble, Canada	T2-2: Deep Learning in Remote Sensing: Algorithms and Applications Location: Pavilion-Hall1 Chair: Prof. Henry Leung, University of Calgary, Canada	
1:30pm - 3:00pm	T3-1: UAV-based 3D mapping using imaging and LiDAR systems: challenges, data processing, and applications Location: Pavilion-Hall1 Chair: Prof. Ayman Habib, Purdue University, United States of America	T4-1: Public Health Data Handling, Analysis and Visualisation using Spatial Science Location: Pavilion-Hall5 Chair: Dr. Sameer Saran, Indian Space Research Organisation Dept. of Space, India	
3:00pm	Coffee Break		
- 3:30pm			
3:30pm - 5:00pm	GSIS EB Meeting: GSIS EB Meeting Location: Pavilion-Hall2 Chair: Prof. Deren Li, Wuhan University, China, People's Republic of	T3-2: UAV-based 3D mapping using imaging and LiDAR systems: challenges, data processing, and applications Location: Pavilion-Hall1	T4-2: Public Health Data Handling, Analysis and Visualisation using Spatial Science Location: Pavilion-Hall5 Chair: Dr. Sameer Saran, Indian Space Research Organisation
		Chair: Prof. Ayman Habib , Purdue University, United States of America	Dept. of Space, India
6:00pm	OC: Opening Ceremony and Reception		
- 9:30pm	Location: Cleopatra Chair: Prof. Naser El-Sheimy , University of Calgary, Canada		

8:30am	PS - 1: Plenary S	Session - 1								
-	Location: Cleopa	tra								
10:00am	Chair: Prof. Naser Chair: Prof. Alaa A									
10:00am -	Coffee Break									
10:30am										
10:30am	PS - 2: Plenary									
- 12:00pm	Location: Cleopa Chair: Prof. Nase Chair: Prof. Alaa	r El-Sheimy								
12:00pm	Lunch									
- 1:15pm										
1:30pm -	00-Satellite Remote	1-Cultural Heritage:	1-Indoor 3D 1: Indoor 3D 1	1-Mobile Mapping	1-Precision GNSS 1:	1-Robotics for Mapping 1:	1-SARcon 2023 1: SARcon	Mapping 1:	3DS - 1: 3D Sensing for	<mark>ISPRS CM-1</mark> ISPRS
3:00pm	Environmental Monitoring and Disaster Management(1) Location: White Nile Chair: Prof. Shabnam Jabari	Pavilion-	Location: Babylon Chair: Prof. Zhizhong Kang	Technologies 1: Mobile Mapping Technologies and HD Maps 1 Location: Pavilion- Hall5 Chair: Dr. Kai-Wei Chiang	Precision GNSS 1 Location: Pavilion- Hall6 Chair: Dr. Joao Francisco Galera Monico	Robotics for Mapping 1 Location: Nefertiti Chair: Prof. Ville Lehtola	2023 1 Location: Morgana Chair: Dr. Michele Crosetto	Underwater Mapping1 Location: Pavilion-Hall3 Chair: Prof. Dimitrios Skarlatos Chair: Prof. Gottfried Mandlburger	Smart Ĉities 1 Location: Blue Nile Chair: Prof. Chenglu Wen	Council Meeting Location: Pavilion- Hall1
3:00pm	Coffee Break									
3:30pm										
3:30pm -	1-Satellite Remote	2-Cultural Heritage:	2-Indoor 3D 2: Indoor 3D 2	2-Mobile Mapping	2-Precision GNSS 2:	2-Robotics for Mapping 2:	2-SARcon 2023 2: SARcon	Remote	3DS - 2: 3D Sensing for	
5:00pm	Sensing 1: Remote Sensing Applications in Agricultural Monitoring and Crop Analysis (2) Location: Blue Nile Chair: Prof.	Cultural Heritage Visualization and Virtual Restoration 2 Location: Pavilion- Hall3 Chair: Prof. Miaole Hou Chair: Prof. Sisi	Location: Babylon Chair: Dr. Lucía Díaz-Vilariño Chair: Prof. Youness Dehbi	Technologies 2: Mobile Mapping Technologies and HD Maps 2 Location: Pavilion- Hall5 Chair: Dr. Mengchi Ai Chair: Dr. Charles	Precision GNSS 2 Location: Pavilion- Hall6 Chair: Xiaohong Zhang Chair: Yan Xiang	Robotics for Mapping 2 Location: Nefertiti Chair: Prof. Andrea Masiero	2023 2 Location: Morgana Chair: Prof. Junichi Susaki	Sensing 2: Deep Learning for Remote Sensing Image Analysis and Land Cover Classification(2) Location: White Nile Chair: Prof. Ahmed Shaker	Smart Cities 2 Location: Pavilion- Hall2 Chair: Dr. Yan Xia	ISPRS CM-1 ISPRS Count Meeting Location: Pavilion-Ha

	ORHAN ALTAN Chair: Prof. Yahya Zakaria Mohasseb		Chair: Prof. Amr Hanafi Ali	
5:30pm	Dinner and Show on Nile Crystal Cruising	g Restaurant – By Tickets only		
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9:30pm				

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	y, 04/Sept/202					1			
8:30am - 10:00am	1-Crowdsourcing 1: Crowdsourcing for Global Mapping (Crowdsourcing Data Analysis and Mapping Techniques1 Location: Morgana Chair: Prof. Hongchao Fan	1-Digital Construction 1: Reality Capture & 3D printing 1 Location: Pavilion-Hall2 Chair: Dr. Kourosh Khoshelham Chair: Dr. Jónatas Valença	1-Geospatial Data Analytics 1: Geospatial data Analytics 1 Location: Pavilion-Hall1 Chair: Prof. Muralikrishna Iyyanki Venkata Chair: Prof. Maged N. Kamel Boulos	1-Openness in Geospatial 1: Openness in Geospatial and Remote Sensing 1 Location: Nefertiti Chair: Dr. Bolelang Hilda Sibolla Chair: Albana KONA	1-Youth Presentation Forum: Youth Presentation Forum Location: Pavilion-Hall5 Chair: Dr. Mengchi Ai Chair: Laxmi Thapa	3-Precision GNSS 3: Precision GNSS 3 Location: Babylon Chair: Prof. Ahmed El-Mowafy Chair: Prof. Moustafa Baraka	3-Satellite Remote Sensing 3: Advancements in Remote Sensing for Climate and Environmental Monitoring (Session 1) 3 Location: White Nile Chair: Prof. Ahmed Shaker Chair: Gouda Agag	3DS - 3: 3D Sensing for Smart Cities 3 Location: Blue Nile Chair: Cheng Wang Chair: Prof. Andrea Masiero	
8:30am - 5:00pm	ISPRS CM-2: ISP Location: Pavilion	RS Council Meetin -Hall6	g (Full Day)						
10:00am - 10:30am	Coffee Break								
10:30am - 12:00pm	1-PhotoGA 2023 1: PhotoGA 2023 1 Location: Pavilion-Hall5 Chair: Dr. Dimitri Bulatov Chair: Dr. Petra Helmholz	2-Crowdsourcing 2: Crowdsourcing for Global Mapping (Crowdsourcing for Environmental Monitoring)2 Location: Morgana Chair: Prof. Hongchao Fan	2-Digital Construction 2: Automated Inspection 2 Location: Pavilion-Hall2 Chair: Dr. Kourosh Khoshelham Chair: Dr. Jónatas Valença	2-Geospatial Data Analytics 2: Airpollution, Health and Society 2 Location: Pavilion-Hall1 Chair: Prof. Muralikrishna Iyyanki Venkata Chair: Prof. Maged N. Kamel Boulos	2-Openness in Geospatial: Openness in Geospatial and Remote Sensing 2 Location: Nefertiti Chair: Dr. Bolelang Hilda Sibolla Chair: Albana KONA	3DS - 4: 3D Sensing for Smart Cities 4 Location: Blue Nile Chair: Weiquan Liu	4-Precision GNSS 4: Precision GNSS 4 Location: Babylon Chair: Prof. Yang Gao Chair: Prof. Moustafa Baraka	4-Satellite Remote Sensing 4: Advancements in Remote Sensing for Climate and Environmental Monitoring (Session 2) 4 Location: White Nile Chair: Prof. Francesco Pirotti Chair: Prof. Ali Amasha	Geospatial - Arabia: Geospatial - Arabia Location: Pavilion-Hall Chair: SATTAM ALOTAIBI
12:00pm	Lunch								
- 1:15pm									
1:30pm - 3:00pm	1-UAV-based mapping 1: Data Acquisition, Georeferencing, and Mapping (1) Location: Blue Nile	3-Crowdsourcing 3: Crowdsourcing for Global Mapping (Crowdsourcing for Urban Spatial	3-Digital Construction 3: BIM application 3 Location: Pavilion-Hall2 Chair: Dr. Kourosh Khoshelham	3-Geospatial Data Analytics 3: Disaster management and Agriculture 3 Location: Pavilion-Hall1	3-Mobile Mapping Technologies 3: Mobile Mapping Technologies and HD Maps 3 Location:	3-SARcon 2023 3: SARcon 2023 3 Location: Nefertiti Chair: Prof. Junichi Susaki	5-Precision GNSS 5: Precision GNSS 5 Location: Babylon Chair: Dr. Jinling Wang	5-Satellite Remote Sensing 5: Satellite Remote Sensing for Natural Disaster Monitoring and	ADP - 1: Advanced Data Preparation & Data Management for Geospatial & Remote sensing

	Chair: Prof. Ayman Habib	Analysis)3 Location: Morgana Chair: Prof. Hongchao Fan		Chair: Prof. Muralikrishna Iyyanki Venkata Chair: Prof. Laurent Polidori	Pavilion-Hall5 Chair: Dr. Meng-Lun Tsai Chair: Prof. Chenglu Wen			Risk Assessment 5 Location: White Nile Chair: Prof. Shabnam Jabari	1 Location: Pavilion-Hall3 Chair: Prof. Martin Breunig
3:00pm - 3:30pm	Coffee Break								
3:30pm - 5:00pm	2-ISSDQ2023 2: ISSDQ2023 2 Location: Pavilion-Hall2 Chair: Dr. Nicholas HAMM	2-UAV-based mapping 2: Data Acquisition, Georeferencing, and Mapping (2) Location: Blue Nile Chair: Dr. Mohamed Mostafa	4-Geospatial Data Analytics 4: Water and Environmental Management 4 Location: Pavilion-Hall1 Chair: Prof. Laurent Polidori Chair: Prof. Seema Jalan	4-Mobile Mapping Technologies 4: Mobile Mapping Technologies and HD Maps 4 Location: Pavilion-Hall5 Chair: Prof. Andrea Masiero Chair: Cheng Wang	6-Satellite Remote Sensing 6: Remote Sensing for Vegetation and Forest Monitoring 6 Location: White Nile Chair: Prof. Nagwa El-Ashmawy Chair: Prof. Marco Scaioni	7-Satellite Remote Sensing 7: High- resolution Satellite Image Processing 7 Location: Morgana Chair: Dr. Salem Morsy	ADP - 2: Advanced Data Preparation & Data Management for Geospatial & Remote sensing 2 Location: Pavilion-Hall3 Chair: Dr. Paul Vincent Kuper		

<mark>8:00am</mark>		PRS Council Meeti	n <mark>g (Full Day)</mark>						
- <mark>5:00pm</mark>	Location: Nefertit	ti							
8:30am - 10:00am	1-ISSDQ2023 1: ISSDQ2023 1 Location: Pavilion-Hall2 Chair: Prof. Mahmoud Reza Delavar	1-Navigation, Guidance 1: Navigation, Guidance and Control of Autonomous Vehicles 1 Location: Pavilion-Hall5 Chair: Prof. Aboelmagd Noureldin	1-Smart Forests 1: Deep Learning for large-scale forest monitoring 1 Location: Babylon Chair: Prof. Xinlian Liang	Acquisition, Georeferencing, and Mapping (3)	4-SARcon 2023 4: SARcon 2023 4 Location: Morgana Chair: Dr. Tamer ElGharbawi	5-Geospatial Data Analytics 5: Land and Environmental Management 5 Location: Pavilion-Hall1 Chair: Prof. Muralikrishna Iyyanki Venkata Chair: Prof. Laurent Polidori	8-Satellite Remote Sensing 8: Hyperspectral Image Processing and Uncertainty Modeling 8 Location: White Nile Chair: Dr. Bahram Salehi	ADP - 3: Advanced Data Preparation & Data Management for Geospatial & Remote sensing 3 Location: Pavilion-Hall3 Chair: Prof. Árpád Barsi	ISPRS White Elephant Seminar: ISPF White Elephar Seminar Location: Pavilion-Hall Chair: Prof. armi gruen Chair: Prof. Koh Cho
10:00am -	Coffee Break								
10:30am									
10:30am	PS - 3: Plenary S								
- 12:00pm	Location: Cleopa Chair: Prof. Naser Chair: Prof. Nashw	El-Sheimy							
12:00pm	Lunch								
1:15pm									
1:30pm	PS - 4: Plenary S								
- 3:00pm	Mohamed Mostafa, Inc. subsidiary, Car	ned Elhabiby isham Eldeeb, Managir Lead Technical Author	ng director projects EPR rity - Mobile Mapping, Tr ei Chiang, Professor (De g, Trimble Applanix	imble Applanix • Eng. I	Eman Abdelhamid, Digi	ital Transformation Ope	ration Manager at Micr	o Engineering Egypt, Mi	cro Engineering Teo
3:00pm	Coffee Break								
- 3:30pm									
3:30pm	Journal of Geo-	rmation EB: ISPRS Information -Editor		Meeting		nal Editorial Board	Poster Session Location: Blue Ni	- 1: Poster Session - le	<mark>- 1</mark>
5:00pm	Location: Pavilio Chair: Prof. Wolfg a			Location: Pavilio Chair: Dr. Kostas B					
5:30pm	Dinner and Sho	w at The Citadel of	Cairo - – By Tickets	only					

8:30am	1 IAMS-1: Real-	1-GeoHB 2023 1:	1-Laser Scanning	1-Semantic 3D 1:	10-Satellite	3-Navigation,	3-Smart Forests 3:	4-UAV-based
- 10:00am	time infrastructure monitoring with drones 1 Location: Pavilion- Hall3 Chair: Prof. Eija Honkavaara, Finnish Geospatial Research Institute in National Land Survey of Finland, Finland	GeoHB 2023 1 Location: Morgana Chair: Prof. Wei Huang, Tongji University, China, People's Republic of Chair: Dr. Yingwei Yan, National University of Singapore, Singapore	2023 1: Forestry Location: Pavilion- Hall1 Chair: Dr. Jan Boehm, University College London, United Kingdom	Matching and 3D reconstruction Location: Pavilion- Hall2 Chair: Prof. Norbert Haala, Stuttgart University, Germany	Remote Sensing 10: Imaging Technologies and Quality Assessment in Remote Sensing 10 Location: White Nile Chair: Prof. Ahmed Shaker, Toronto Metropolitan University, Canada	Guidance 3: Navigation, Guidance and Control of Autonomous Vehicles 3 Location: Pavilion- Hall5 Chair: Dr. Haidy Elghamrawy, Royal Military College of Canada, Canada	Forest and agriculture monitoring and assessments 3 Location: Babylon Chair: Dr. Yunsheng Wang, FGI, Finland	mapping 4: UAV Application in Agriculture and Forestry (1) Location: Blue Nile Chair: Dr. Mohame Mostafa, Trimble, Canada
8:30am - 5:00pm	ISPRS CM-4: ISPR: Location: Nefertiti	S Council Meeting (Ful	I Day)					
10:00am - 10:30am	Coffee Break							
10:30am - 12:00pm	11-Satellite Remote Sensing 11: SAR (Synthetic Aperture Radar) and InSAR Techniques for Environmental Monitoring and Disaster Assessment 11 Location: White Nile Chair: Prof. Francesco Pirotti, University of Padova, Italy	2-GeoHB 2023 2: GeoHB 2023 2 Location: Morgana Chair: Prof. Bi Yu Chen, Wuhan University, China, People's Republic of Chair: Prof. Wei Huang, Tongji University, China, People's Republic of	2-IAMS 2: Autonomous drones and 3D mapping in complex environments 2 Location: Pavilion- Hall3 Chair: Prof. Taejung Kim, Inha University, Korea, Republic of (South Korea)	2-Laser Scanning 2023 2: Vegetation & Terrain Location: Pavilion- Hall1 Chair: Prof. Bisheng Yang, Wuhan University, China, People's Republic of	2-Navigation, Guidance 2: Navigation, Guidance and Control of Autonomous Vehicles 2 Location: Pavilion- Hall5 Chair: Dr. Sidney Givigi, Queen's University, Canada	2-Semantic 3D 2: Semantic segmentation and satellite image time series 2 Location: Pavilion- Hall2 Chair: Dr. Ksenia Bittner, German Aerospace Center (DLR), Germany	4-Smart Forests 4: Close range sensing I - sensors and solutions 4 Location: Babylon Chair: Dr. Eetu Puttonen, National Land Survey of Finland, Finland	ADP - 4: Advanced Data Preparation & Data Management fo Geospatial & Remote sensing 4 Location: Pavilion-Hall6 Chair: Hussein Abdulmuttalib, Dubai Municipality, United Arab Emirates
12:00pm -	Lunch							
1:15pm								
1:30pm - 3:00pm	1-GI4SDGS: Assessing SDGs progress by integrating geospatial and	12-Satellite Remote Sensing 12: Remote Sensing for Urban Thermal Environment	3-GeoHB 2023 3: GeoHB 2023 3 Location: Morgana Chair: Dr. Yingwei Yan, National University of	3-Laser Scanning 2023 3: Registration & Close-Range Applications 3 Location: Pavilion-	3-Semantic 3D 3: Buildings, roads, and segmentation 3 Location: Pavilion-	5-Smart Forests 5: Close range sensing II -Tree-wise analysis and modeling 5 Location: Babylon	5-UAV-based mapping 5: UAV Application in Agriculture and Forestry (2)	AI-PC - 1: AI- Based Point Cloud and Imag Understanding Location:

	information Location: Pavilion- Hall3 Chair: Prof. Songnian Li, Toronto Metropolitan University, Canada Chair: Prof. ORHAN ALTAN, ITU-ISPRS, Turkiye	Analysis 12 Location: White Nile Chair: Prof. Nagwa El- Ashmawy, National Water Research Center, Egypt	Singapore, Singapore Chair: Prof. Wei Huang , Tongji University, China, People's Republic of	Chair: Prof. Ruisheng Wang, U of Calgary, Canada	Chair: Dr. Franz Rottensteiner, Leibniz Universität Hannover, Germany	Campos , Finnish Geospatial Research Institute, Finland	Chair: Prof. Ayman Habib , Purdue University, United States of America	Chair: Prof. Yiping Chen , Sun Yat-sen University, China, People's Republic of Chair: Dr. Leila Hashemi Beni , NC A&T State University, United States of America
3:00pm - 3:30pm	Coffee Break							
3:30pm	2-GI4SDGS: Extract information for mon		4-Semantic 3D 4: C tracking 4	lose range and	9-Satellite Remote S Land-Cover Classif	Sensing 9: Land-Use ication	AI-PC - 2: AI-PC: AI Cloud and Image U	
5:00pm	Milano, Italy	nia Brovelli, Politecnico di Ig, Hong Kong Polytechnic	Location: Pavilion-H Chair: Prof. Uwe SÖRC Germany	all2 GEL, University of Stuttgart,	Location: White Nile Chair: Prof. Yahya Zak Academy for Science, T Transport, Egypt Chair: Prof. Ahmed Sh University, Canada	aria Mohasseb, Arab	Location: Pavilion-H Chair: Prof. Yiping Che University, China, Peop Chair: Prof. Bisheng Y University, China, Peop	en, Sun Yat-sen le's Republic of ang, Wuhan

Date: Thurs	day, 07/Sept/2023				
8:30am - 10:00am	1-Sensor orientation 1: Sensor orientation and calibration for mapping and navigation purposes 1 Location: Pavilion-Hall6 Chair: Dr. Henry Meißner, German Aerospace Center, Germany	1-SPACE 1: SPACE - Spectral Remote Sensing in the era of Al, Cloud and Edge Computing 1 Location: Morgana Chair: Dr. Daniele Cerra, German Aerospace Center (DLR), Germany	15-Satellite Remote Sensing 15: Remote Sensing and Mapping Technologies for Urban Studies and Infrastructure Development 15 Location: White Nile Chair: Prof. Shabnam Jabari, University of New Brunswick, Canada	4-Laser Scanning 2023 4: Object Detection & Segmentation 4 Location: Pavilion-Hall3 Chair: Dr. Jan Boehm, University College London, United Kingdom	AI-PC - 3: AI-PC: AI-Based Point Cloud and Image Understanding 3 Location: Pavilion-Hall1 Chair: Prof. Yiping Chen, Sun Yat-ser University, China, People's Republic of Chair: Prof. Zhizhong Kang, China University of Geosciences (Beijing), China, People's Republic of
10:00am -	Coffee Break				
10:30am					
10:30am - 12:00pm	16-Satellite Remote Sensing 16: Water Quality and Aquatic Ecosystem Monitoring 16 Location: White Nile Chair: Dr. Bahram Salehi, SUNY ESF, United States of America	2-Smart Forests 2: Systems and methods at different scales 2 Location: Babylon Chair: Prof. Roberto Pierdicca, Università Politecnica delle Marche, Italy	2-SPACE 2: SPACE - Spectral Remote Sensing in the era of Al, Cloud and Edge Computing 2 Location: Morgana Chair: Dr. Daniele Cerra, German Aerospace Center (DLR), Germany	Al-PC - 4: Al-PC: Al-Based Point Cloud and Image Understanding 4 Location: Pavilion-Hall1 Chair: Prof. Yiping Chen, Sun Yat-sen University, China, People's Republic of Chair: Prof. Hongchao Fan, Norwegian University of Science and Technology, Norway	
12:00pm	Lunch				
1:15pm					
1:30pm - 3:00pm		sity of Calgary, Canada ademy for Science, Technology and Marit Is Presentation of the Best Presentations .		ing Ceremony	