



Arab Union for Astronomy  
and Space Science



Jordanian  
Astronomical Society



International  
Astronomical Union



Regional Centre for Space  
Science and Technology  
Education for Western Asia / UN



Royal Jordanian  
Geographic Centre

# AGENDA

## The First International Conference Geospatial Information Management Mapping the Future

### برنامج

## المؤتمر الدولي الأول إدارة المعلومات الجيومكانية التخطيط للمستقبل

September 12-14, 2017  
Amman - Jordan

Day 1 September 2017		
Time	Sessions	Duration
8:30-9:30	Registration.	
<b>Opening Ceremony</b> 9:30-10:30	<ul style="list-style-type: none"> <li>- <b>The National Anthem.</b></li> <li>- <b>Recitation of Holy Quran.</b></li> <li>- <b>Welcome Speech, General Director of RJGC Dr. Eng. Awni Al-Khasawneh</b></li> <li>- <b>AUASS statement - Professor Hamid AL-Naimiy.</b></li> <li>- <b>Representative of Prime Minister, Dr. Omar Al Razzaz Minister of Education.</b></li> <li>- <b>Group Photo.</b></li> </ul>	60 mins
<b>Item 1</b>		
10:30-11:00	Coffee Break	30 mins
<b>First session</b> 11:00-13:00	<p><b>Subject:</b> SDI and Geospatial technology in Defence, Security and Intelligence Applications</p> <p><b>Chairman:</b> Dr. Awni Al Khasawneh (Jordan).</p> <p><b>Rapporteur:</b> Prof. Radwan Al-Weshah (Jordan).</p>	
<b>Item 2</b>	<ul style="list-style-type: none"> <li>- <b>Professor Turki I. Obaidat (Jordan):</b> The Role of University Research in the Sustainable Development.</li> <li>- <b>Eng. Ibrahim Albaddawi &amp; Eng. Nisreen Ghorani (Jordan):</b> Jordanian NSDI.</li> <li>- <b>Saud Salim Al-Nofali (Oman):</b> NSDI Support Smart City in Oman.</li> <li>- <b>Eng. Khalid A. Hameed Al Hammadi (Bahrain):</b> Towards a Regional SDI for Geo-Empowered Middle East.</li> <li>- <b>Mr. Guilhem Soulie (USA):</b> Using GIS in national security</li> <li>- <b>Eng. Saed Aqel (Jordan):</b> Geospatial Data ,Solution &amp;APP</li> <li>- <b>Dr. Peter Hausknecht (United Kingdom):</b> Very high spatial resolution satellite applications – Large area mapping and. repeat monitoring for change detection</li> </ul>	120 mins
13:00-14:00	Lunch Break.	60mins

<b>Second session</b> 14:00-15:30	<b>Subject:</b> Geospatial Technology and Applications <b>Chairman:</b> Professor Turki I. Obaidat (Jordan). <b>Rapporteur:</b> Eng. Khalid A. Hameed Al Hammadi (Bahrain).	
time	Sessions	Duration
<b>Item 3</b>	<ul style="list-style-type: none"> <li>- <b>Prof.Jawad Taleb Al-Bakri (Jordan):</b>Geospatial Tools for Improved Water Management: an example from Jordan</li> <li>- <b>Adel Fernandez (Esri):</b> Big data &amp; advanced analytics: industry use-case.</li> <li>- <b>Prof.Radwan A. Al-Weshah(Jordan):</b> Application of Geospatial Information in Hydrology and Water Resources Engineering.</li> <li>- <b>Dr.Rao S. Ramayanam (USA):</b> UrtheCast's High-Resolution Imagery, HD video and Synthetic Aperture Radar from Space for Smart Earth Observations.</li> <li>- <b>Jayson Yuan (China):</b> An Introduction to SuperMap</li> <li>- <b>Mr. Gaetan CHAUDAGNE:</b> (France): IGN FI</li> </ul>	90 mins
15:30-15:45	Coffee Break	30 mins
<b>Third session</b> 15:45-17:30	<b>Subject:</b> Environmental Issues and Sustainable Development. <b>Chairman:</b> Gen. (ret.) Maroun Khraish (Lebanon). <b>Rapporteur:</b> Eng. Mennatullah Anwar Hashim (Egypt).	
<b>Item 4</b>	<ul style="list-style-type: none"> <li>- <b>Prof. Najib Abou Karaki (Jordan):</b> Dead Sea environment, deformations, consequences, hazards and proposed solutions.</li> <li>- <b>Eng. Natalia Boulad (Jordan):</b> Modelling land cover change in Jerash and Ajloun governorates northern Jordan.</li> <li>- <b>Gen (ret.) Maroun Khraish (Lebanon):</b> Management Of Ground Water Prospecting And Use In Developmentt.</li> <li>- <b>Prof. Tayel El-Hasan (Jordan):</b> Prince Faisal Activities on Water Resources and Environmental Management and Monitoring.</li> <li>- <b>Eng. Ahmad Ashur (Jordan):</b> Production of land use plan for the Gulf of Aqaba using GIS technologies.</li> <li>- <b>Dr. Nawras Shatnawi (Jordan):</b> Impact of climate change on agricultural patterns in the Jordan valley using Remote Sensing.</li> <li>- <b>Munnawar Naik (UAE):</b> 3D Laser scanning Technology.</li> </ul>	105 mins

Day 2 13 September 2017		
time	Sessions	Duration
<b>First session</b> 9:00-10:30	<b>Subject:</b> Geospatial Information management technology <b>Chairman:</b> Mohamad Rafik Abboud (Lebanon). <b>Rapporteur:</b> Eng. Mohammad Al-Rawabdi Jordan	
<b>Item 5</b>	<ul style="list-style-type: none"> <li>- <b>Eng.Saed Aqel (Jordan):</b> Hexagon Geospatial Products &amp; Applications</li> <li>- <b>Engelbert BREG (Austria):</b>News from Vexcel Imaging GmbH</li> <li>- <b>Eng. Rami Hazime (Lebanon):</b> Monitoring Change at a Global Scale.</li> <li>- <b>Ibrahim Jarrar(Jordan):</b> Simulating reality with GIS.</li> <li>- <b>Mohammad khair Ayesheh (Jordan):</b> ArcGIS apps- putting it all together.</li> <li>- <b>Eng.Talal Mickael Hanna(Lebanon):</b> Using Drones to collect data for surveying Jobs, Drones Applications in sustainable development and city planning.</li> </ul>	90 mins
10:30-11:00	Coffee Break	30 mins
<b>Second session</b> 11:00-13:00	<b>Subject:</b> Earth Observation Systems, Information Extraction, and Photogrammetry <b>Chairman:</b> Prof. Jawad Taleb Al-Bakri (Jordan). <b>Rapporteur:</b> Eng. Naser Badawi (Jordan).	
<b>Item 6</b>	<ul style="list-style-type: none"> <li>- <b>Prof. Samih Al Rawashdeh (Jordan):</b> The role of Geomatics techniques for conserving human heritage In Jordan: Case study.</li> <li>- <b>Mr. Muhammad Shahid Qureshi (Pakistan):</b> UAS Applications for Disaster Monitoring and Management.</li> <li>- <b>Dr. Ali Nouh Al-Qudah(Jordan):</b> The Role of Space Science and Technologies in Building the Crises Management Systems</li> <li>- <b>Shimaa El-Ghazali, Ahmed Abdelhalim &amp; Ahmed El-Kammar (Egypt):</b> Geo-integration of Landsat-8 satellite image with composition characters of Shalateen plain deposits, SE Eastern Desert, Egypt.</li> <li>- <b>Reem Bearat,Baraah Mohammad Ali&amp; Ibrahim alkasih (Palestine):</b> Land use/ cover changes using remote sensing techniques and its impact on environmental degradation in the north eastern mountainous slopes of Ramallah and Al-Bireh.</li> <li>- <b>IzEldin Winbakh (Jordan):</b> Natural Disaster Management utilizing geospatial information technologies.</li> <li>- <b>Dr. Sattam Al Shqour and Dr. Awni Al Khasawneh (Jordan):</b> Using RS &amp; GIS in choosing the site for building a dam in Al Karak Governorate</li> </ul>	120 mins

time	Sessions	Duration
13:00-14:00	Lunch Break	60mins
<b>Third session</b> 14:00-15:30	<b>Subject:</b> Urban and Regional Planning and Land Management. <b>Chairman:</b> Prof. Najib Abou Karaki (Jordan). <b>Rapporteur:</b> Eng. Jamal Ali Numan (Palistine).	
<b>Item 7</b>	<ul style="list-style-type: none"> <li>- <b>Prof. Mahmoud M. S. Albattah (Jordan):</b> Remote Sensing and Topographic Information in a GIS environment for Urban Growth and Change: Case Study Amman the Capital of Jordan.</li> <li>- <b>Magda Anwar Shalaby (Egypt):</b> Land use and land cover, land-cover changes degradation and desertification</li> <li>- <b>Eng. Mohtassam Zahra (Lebanon):</b> Urban Planning Zoning Adjustment, The Lebanese Experience Using Geospatial tools to demonstrate the changes.</li> <li>- <b>Mohamad Rahahleh &amp; Maisaa Khweileh (Jordan):</b> The Use Of Sustainable Application Of Potential Surface Analysis Model As An Assessment Tool For Expecting New Residential Areas By Using GIS -Case Study Of Kufr-Yuba, Irbid.</li> <li>- <b>Eng. Tareq Ishawabkah(Jordan):</b> The importance of Satellite Images in building Master plans and their impact on the urban expansion of cities.</li> <li>- <b>Eng. Otba Mahmoud al shaqareen (Jordan):</b>Allocation of Embankment Dam in Wadi Al-Karak Catchment area Using Hybrid GIS and Remote Sensing Techniques.</li> </ul>	90 mins
15:30-15:45	Coffee Break	30 mins

<p><b>Fourth session</b> 15:45-17:30</p>	<p><b>Subject:</b> National Experience in Geospatial Information management <b>Chairman:</b> Saud Salim Al-Nofali (Oman). <b>Rapporteur:</b> Eng. Otba Ma'aitah (Jordan).</p>	
<p><b>Item 8</b></p>	<ul style="list-style-type: none"> <li>- <b>Prof. Youssef Mostafa Siam (Jordan):</b> The urgent need for survey cadres during the periods of implementation and maintenance of projects.</li> <li>- <b>Eng. Jamal Ali Numan (Palestine):</b> The Palestine Experience in Starting the Implementation of Spatial Data Infrastructure (SDI) Project.</li> <li>- <b>Hiba Ibrahim Moussa (Lebanon):</b>GIS Integration in 11th Grade in Lebanon.</li> <li>- <b>Eng. Naser Albadawi (Jordan):</b> Space Technology to Asses Environmental Impacts and Natural Resources Depletion Due to the Presence of Syrian Refugees.</li> <li>- <b>Eng. Ahmad alzoubi (Jordan):</b> (Aerial Mapping using UAV. (Unmanned Aerial Vehicles) Jordan Mapping Experience.</li> <li>- <b>Eng. Mennatullah Anwar Hashim (Egypt):</b> Egypt's experience in using GIS in the population census.</li> <li>- <b>Dr. Zaid Mustafa (Jordan):</b> Digital reconstruction and visualization in archaeology: Case-study drawn from the work of the Spanish "Galicia" Project.</li> </ul>	<p>105 mins</p>

Day 3 14 September 2017		
time	Sessions	Duration
<b>First session</b> 9:00-10:30	<b>Subject:</b> GIS, GNSS and LIDAR Technology <b>Chairman:</b> Dia'a Al-Kiki (Egypt) <b>Rapporteur:</b> Dr. Rao S. Ramayanam (USA).	
<b>Item 9</b>	<ul style="list-style-type: none"> <li>- <b>Hiba Ibrahim Moussa (Lebanon):</b> Assessment of Coastal Area Variation in Qasmiyeh Stretch</li> <li>- <b>Eng. Dario Conforti (Italy):</b> LIDAR Technology for high precise surveying using Maverick MMS / Presentation</li> <li>- <b>Mutasem Jokhdar (Jordan):</b> GIS-centric asset management: a way to manage asset and infrastructure</li> <li>- <b>Eng. Mostafa Gamal (Jordan):</b> laser scanning and mobile mapping.</li> <li>- <b>Hana' Mahmoud Nayef Abu Al wafa (Jordan):</b> VRS</li> <li>- <b>Eng. Omar Abdallah Malkawi (Jordan):</b> a laser technique for remote sensing.</li> </ul>	90 mins
10:30-11:00	Coffee Break	30 mins

<p><b>Second session</b> 11:00-13:00</p>	<p><b>Subject:</b> Astronomy and Space Applications in Geospatial Information Management <b>Chairman:</b> Prof. Mashhoor Wardat (Jordan). <b>Rapporteur:</b> Dr. Hanna A. Sabat (Jordan).</p>	
<p><b>Item 10</b></p>	<ul style="list-style-type: none"> <li>- <b>Prof. Mashhoor Wardat (Jordan):</b>Three Body Problem and its Geospatial Applications.</li> <li>- <b>Prof. Ahmed Abdel Hadi (Egypt):</b>The role of astronomy and space in the calculation of geo-place and geo-time old and recent.</li> <li>- <b>Ma'moun Ali Al Nawafleh (Jordan):</b> Archaeological Survey of Jordan (The Archeoastronomy of Jordan)</li> <li>- <b>Dr.Mohammad Asiry (Syria):</b> Using LADAR to develop laser Pulse System for Removal of space Debris.</li> <li>- <b>Al-Kharashi Baby (Morocco):</b> The general situation of astronomy in the Kingdom of Morocco.</li> <li>- <b>Dr. Hanna A. Sabat (Jordan):</b>Light-curve modelling for close binary systems: the general case.</li> <li>- <b>Dr. Ali Taani (Jordan):</b>The Effect of Kick Velocity during the Accretion Induced Collapse of White Dwarfs and Binary Pulsars.</li> <li>- <b>Dr. Ala'a Azzam (Jordan):</b> The Cambridge-Amman Seminar Project on Astrophysical Research (CASPAR), visions and missions.</li> </ul>	<p>120 mins</p>
<p>13:00-14:00</p>	<p>Lunch Break</p>	<p>60mins</p>
<p><b>Third session</b> 14:00-16:00</p>	<p><b>Subject:</b> Closing Ceremony. <b>Chairman:</b> Dr. Awni AlKasawneh (Jordan). <b>Rapporteur:</b> Eng. Nivin Hasan.</p>	
<p><b>Item 11</b></p>	<ul style="list-style-type: none"> <li>- <b>Conference final recommendations.</b></li> <li>- <b>Adoption agenda for the next Conference.</b></li> <li>- <b>Distribute certificates of the participants.</b></li> </ul>	<p>120 mins</p>