



The 4th International Conference for Geospatial Technologies LibyaGeoTec 4

Tripoli, 3-5 March 2020

Reality, Horizons, and Challenges

Sponsored by:



Technical Partner:

LibyanSpider
/forward

The Libyan Society for Remote Sensing and Geographic Information Systems
organizes **the Fourth International Conference for Geospatial Technologies**

LibyaGeoTec 4

Tripoli, Corinthia Hotel 3-5 March 2020

Conference Goals

1. Highlighting reality, horizons, and challenges of geospatial technologies.
2. Raising awareness of remote sensing and geographical information systems.
3. Providing an opportunity for dialog between national and international expertise.
4. Creating a proper environment for publishing and publicizing scientific research.

Conference Themes

Spatial Applications

1.1. Risk and Disaster Management

- 1.1.1. Prediction of Disasters and Risks
- 1.1.2. Monitoring and Management of Disasters
- 1.1.3. Rescue and Humanitarian Actions
- 1.1.4. Analysis and Assessment of Losses and Costs
- 1.1.5. Planning and Prevention of Disasters
- 1.1.6. Public Data and Tools in Risk and Disaster Management

1.2. Security and Border Control

- 1.2.1. Low and High Resolution data in monitoring cross-border and smuggling activities
- 1.2.2. Crime Monitoring
- 1.2.3. Decision Support Systems
- 1.2.4. Tracking and Navigation
- 1.2.5. Defense and Intelligence Applications

1.3. Social and Public Services

- 1.3.1. Planning and Management of Commercial and Finance Services
- 1.3.2. Planning and Management of Tourism Services
- 1.3.3. Planning and Management of Transportation Services
- 1.3.4. Planning and Management of Electric Utilities
- 1.3.5. Planning and Management of communication Network Infrastructure
- 1.3.6. Management of Health and Education Services
- 1.3.7. Planning and Management of Agricultural Projects and Irrigation Systems

1.4. Climate & Environmental Studies

- 1.4.1. Natural Reserves Management
- 1.4.2. Environmental Pollution and Waste Recycling
- 1.4.3. Forest Monitoring and Desertification
- 1.4.4. Water Resources Pollution
- 1.4.5. Environmental, Health and Integrated Management Dimensions

- 1.4.6. Climate Monitoring and Meteorological Applications
- 1.4.7. Climate Change and Environmental Impact Assessment
- 1.4.8. Extreme Weather Phenomena

1.5. Spatial Planning and Management in Municipalities

- 1.5.1. Monitoring and Evaluation of Urban Sprawl
- 1.5.2. Regional Planning
- 1.5.3. Urban Planning and its Management
- 1.5.4. Using Geospatial Technology in Water, Sewer, and Storm Water Infrastructure

1.6. Natural Resources and Sustainability

- 1.6.1. Agriculture, Livestock Production and Calculation of Load Capacity of Pastoral and Biomass Measurement.
- 1.6.2. Marine and Fisheries Resources and Coastal Zone Management
- 1.6.3. Water Harvesting and Groundwater Management
- 1.6.4. Oil, Gas and Minerals and Geological Studies

1.7. Marine and Coastal Zones Studies

1.8. Heritage and Tourism

1.9. Real Estate Properties

Spatial Data

- 2.1. Spatial Data Infrastructure**
- 2.2. Data Standards and Metadata**
- 2.3. Geospatial Data Sharing Benefits**
- 2.4. Laws and Legislation on Ownership and share Spatial Data**
- 2.5. Spatial Dimensions in E-Government**
- 2.6. Open Source Data**
- 2.7. Geospatial Data Mining**
- 2.8. Cartography and Toponymy**

Spatial Technologies

- 3.1. Sensors and Platforms**
- 3.2. Medias for Sharing Geospatial Data.**
- 3.3. Geospatial Portals and its Applications**
- 3.4. Data Fusions and Integrations**
- 3.5. Data Modeling and Processing**
- 3.6. Data Collection and Assessment Tools**
- 3.7. 3D and Virtual Reality**

Participation

- Participation in the conference could be by submitting one or more of the following:
- Full scientific paper.
 - A project related to spatial technologies..
 - Scientific research poster.

Paper Acceptance Criteria

- The objectives of the research should be consistent with one of the themes of the conference.
- Scientific methodology should be followed in the research.
- The templates published in LibyaGeotec4 website should be used.
- Correspondence and attachments should be sent to Libyageotec@lrsgis.org.ly.

Participation Fees:

- Authors (Libyans): 150 LYD.
- Authors (Non Libyans): 200 USD.
- Individual Attendees: 100 LYD.
- Attendees from a state sector: 200 LYD.
- Students (Undergraduate): 75 LYD.

Open Discussion Panels

- Natural Disasters (Ghat City as a Model).
- Think Spatially.
- Open Source Data.
- The use of geospatial technologies in urban planning and the reduction of squatters.

Exhibition

Along the conference, an exhibition will be organized for the specialized companies to display their products and projects.



Important Dates

Last date for abstract submissions	09/12/2019
Abstract acceptance confirmations	15/12/2019
Last date for full paper submissions	15/01/2020
Paper acceptance confirmations	31/01/2020
Last date for camera-ready papers	15/02/2020



Contact Information

-  Organizing committee: +218(91) 220 2094
-  Scientific committee: +218(91) 848 7809
-  Conference: Libyageotec@lrsgis.org.ly
-  Secretary General: info@lrsgis.org.ly
-  Conference Website: lrsgis.org.ly/Libyageotec4
-  Facebook: fb.com/lrsgis