

The Conference Timetable

Updated: 4th Oct. 2021

5 - 6 October 2021 (Virtual)

*Morocco time (GMT+1)



International Conference Geospatial Asia-Europe 2021 GeoAdvances 2021



Day 1 (5th October) [Click here to join the event](#)

| Time | Activity |
|---|---|
| 8.30 - 9.00 | Registration (Access via Blackboard Collaborate platform) |
| 9.00 - 9.20 | Opening Remarks: |
| | Conference Chairs - Prof. Dr. Alias Abdul Rahman and Prof. Dr. Hassan Rhinane |
| | President of Hassan II University Deputy Vice Chancellor (Academic and International) |
| | Conference Chairs - Geospatial Asia Europe & GeoAdvances 2021 |
| | ISPRS Commission IV/7 Chairman - Prof. Martin Breunig (KIT, Germany) |
| Chairperson: Dato' Prof. Dr. Wan Muhd Aminuddin Wan Hussin (Malaysia) | |
| 9.20 - 10.00 | Keynote 1 - Prof. Dr. Hassan Rhinane (Morocco) "Cartography from Compass to Neural Network" |
| 10.00 - 10.40 | Keynote 2 - Prof. Dr. Volker Coors (Germany) "Using Urban Digital Twins in Energy Simulations" |
| 10.40 - 11.00 | Coffee Break |
| Chairperson: Prof. Dr. Kamal Abbassi (Morocco) | |
| 11.00 - 11.40 | Keynote 3 - Assoc. Prof. Dr. Gurcan Buyuksalih (Turkey) "Recent Developments In 3D Mapping and Space Imaging Activities in Turkey" |
| 11.40 - 12.20 | Keynote 4 - Dr. Filip Biljecki (Singapore) "Benchmarking and Assessing Open Geospatial Data on Buildings" |

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| 12.20 - 1.00 | Keynote 5 - Prof. Dr. Peter van Oosterom (Netherlands) <i>"Continuous Level of Detail in Point Clouds Data Organization and Applications"</i> | | |
| 1.00 - 2.00 | Lunch Break | | |
| | Parallel Session 1 Chairperson: Dr. Ammar Abulibdeh (Qatar) Click here to join the Session | Parallel Session 2 Chairperson: Dr. Ali Jamali (Turkey) Click here to join the Session | Parallel Session 3 Chairperson: Habiburrahman Dastageeri (Germany) Click here to join the session |
| 2.00 - 2.20 | Invited Speaker - Dr. Ammar Abulibdeh (Qatar) <i>"Development of GIS in Qatar"</i> | Invited Speaker - Dr. Pawel Boguslawski (Poland) <i>"Spatial Representation of Building Models for Path Finding and Disaster Simulation"</i> | Invited Speaker - Dr. Henri Rueff (Switzerland) <i>"OneMap Myanmar: Making Geospatial Data Accessible for Democracy"</i> |
| 2.20 - 2.40 | Nur Aida Azlin Abdul Aziz <i>Smart Water Network Monitoring: A Case Study at Universiti Teknologi Malaysia</i> | Babalola Sunday Oyetayo <i>A GIS-Based Approach to Risk Mapping of Lassa Fever Outbreak in Akure South Local Government Area, Nigeria</i> | Prof. Dr. Mehmet Alkan <i>Investigation of Integration of LADM into 3D Spatial Units and Cadastre: Recent Studies</i> |
| 2.40 - 3.00 | Ikram Mouttaki <i>A New Approach to Mapping Cultural Ecosystem Services</i> | Anass Malah <i>Assessment of Urban Environmental Quality: A Case Study of Casablanca, Morocco</i> | Mohammed Zakari <i>Sharpening of Thermal Remote Sensing Imagery Based on Industrial Heat Emission with The Tsharp Approach from Pulau Indah Industrial Area, Peninsular Malaysia</i> |

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| 3.00 - 3.20 | Evgeny Panidi <i>Application of the GIS-Based 3D Modeling of Multiflat Buildings to Assess the Prevalence of Tuberculosis on a City Scale</i> | Mohamed Benchelha <i>The Contribution of Radar Remote Sensing Via Sentinel-1 Data and Photointerpretation by Google Earth Images for Wetland Mapping (Dayas)</i> | Hicham Ait Kacem <i>The Value of Carbon Sequestration and Storage in Coastal Habitats Areas in North West of Morocco</i> |
| 3.20 - 3.40 | Farah Ilyana Hairuddin <i>Towards A Cadastre Augmented Reality (Ar) In Malaysia</i> | El Mehdi Sellami <i>Performance of Machine Learning Algorithms for Mapping and Forecasting of Flash Flood Susceptibility in Tetouan, Morocco</i> | Andi Mohd Hairy Ansar <i>A Review on Persistent Scatterer Interferometry Techniques for Surface Deformation Monitoring</i> |
| 3.40 - 4.00 | Coffee Break | | |
| | Chairperson : Dr. Safia Loulad | Chairperson: Dr. Mehdi Maanan | Chairperson : Prof. Kamal Abbassi |
| 4.00 - 4.20 | Invited Speaker - Dr. Suhaibah Azri (Malaysia) <i>"Development of Spatial Access Method for 3D Spatial Objects"</i> | Invited Speaker - Dr. Mohd Nadzri Md Reba (Malaysia) <i>"The Effectiveness of Machine Learning in Remotely Sensed Data Processing"</i> | Invited Speaker - Dr. Ivin Amri Musliman (Malaysia) <i>"Handling of Large-Scale Point Clouds Dataset by Using GPU Hardware"</i> |
| 4.20 - 4.40 | Muhammad Naim Ramli <i>Cartography and Mapping for Precision Health: Review of Essential Elements for Disease Mapping</i> | Rafika Hajji <i>Integration of BIM and Mobile Augmented Reality in The AECO Domain</i> | Nur Atirah Muhadi <i>Water Level Fluctuation Using Surveillance Camera</i> |
| 4.40 - 5.00 | Tan Liat Choon <i>An Application of Cadastral Fabric System in Improving Positional Accuracy of Cadastral Databases in Malaysia</i> | Sarah Shaharuddin <i>Digital Twin for Indoor Disaster in Smart City: A Systematic Review</i> | Hong Sheng Lee <i>Insight into spatial analysis of GPS broadcast orbit error towards orbital improvement</i> |

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| 5.00 - 5.20 | Youssef Khomalli <i>Dynamics of Urbanization and Its Impact on Urban Ecosystem Services in Casablanca, Morocco</i> | Elmostafa Achbab <i>Estimation of Photovoltaic Potential at The Urban Level From 3D City Model (Solar Cadaster): Case of Casablanca City / Morocco</i> | Ali Loulidi <i>Automatic Fish Detection from Different Marine Environments Video Using Deep Learning</i> |
| 5.20 - 5.40 | Hsien-Wei Chen <i>Spatial Resolution Enhancement of Oversampled Images Using Regression Decomposition and Synthesis</i> | Rachid Lambarki <i>Evaluation of The Potential of Green Roofs Applied to An Urban Fabric Using Gis and Remote Sensing Data Case of The Nador City / Morocco</i> | Mohamad Dimas Henru Nurhadi <i>Analysis of Visible Infrared Imaging Radiometer Suite Capability for Population Estimation on Java Island</i> |

| Day 2 (6th October) Click here to join the event | |
|---|---|
| Time | Activity |
| Chairperson: Prof. Dr. Hassan Rhinane (Morocco) | |
| 9.00 - 9.40 | Keynote 6 - Prof. Dr. Sisi Zlatanova (Australia) "Use of Voxel Approaches for Environmental Analysis" |
| 9.40 - 10.20 | Keynote 7 - Prof. Dr. Andreas Buerkert (Germany) "Agro-Ecological Land Use Transformation in Oasis Systems" |
| 10.20 - 10.40 | Coffee Break |
| Chairperson: Prof. Dr. Alias Abdul Rahman (Malaysia) | |

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| 10.40 - 11.20 | Keynote 8 - Prof. Dr. Umit Isikdag (Turkey) <i>"Prediction of Indoor Occupancy Based with Artificial Neural Networks"</i> | | |
| 11.20 - 12.00 | Keynote 9 - Assoc. Prof. Dr. Lars Bodum (Denmark) <i>" Looking into the crystal ball for the Future of Spatial Data Infrastructures from a European Perspective - What are the Trends?"</i> | | |
| | Parallel Session 1 Chairperson: Dr. Suhaibah Azri (Malaysia) Click here to join the event | Parallel Session 2 Chairperson: Dr. Rizqi Abdul Haris (Indonesia) Click here to join the Session | Parallel Session 3 Chairperson: Prof. Dr. Ariel Blanco (Philippines) Click here to join the session |
| 12.00 - 12.20 | Invited Speaker - Assoc. Prof. Dr. Tajul Ariffin Musa (Malaysia) <i>"Development of State-Based GPS CORS Network"</i> | Invited Speaker - Dr. Rizqi Abdul Haris (Indonesia) <i>"Geospatial Information Science and Technology: One Small Step for Us but One Giant Lead for Mankind"</i> | Invited Speaker - Prof. Dr. Ariel Blanco (Philippines) <i>"Remote Sensing and GIS For Water Quality Management"</i> |
| 12.20- 12.40 | Ayyoub Frifra <i>An Artificial Intelligence Approach to Prediction of Extreme Events: The Case of Storms in Western France</i> | Mohammed Jawaluddeen Sani <i>IFC to Citygml Conversion Algorithm Based on Geometry and Semantic Mapping</i> | Faraliyana Mohd Hanafi <i>Strata Objects Based on Malaysian Ladm Country Profile Via Web 3D Visualization</i> |
| 12.40 - 1.00 | Noraziera Azahar <i>Performance of Bursa-Wolf Model for Deforming Region Case Study in Malaysia</i> | Khalid Al Kalbani <i>Spatial Data Infrastructure (SDI) In Oman and Qatar - Current Status and Perspectives</i> | Reginald Jay Argamosa <i>Mapping Oil Spills on Sea Surface from Sentinel 2 Images Using Principal Components and Categorical Boosting</i> |
| 1.00 - 2.00 | Lunch Break | | |

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| | Chairperson: Dr. Uznir Ujang | Chairperson: Dr. Imzan Hassan | Chairperson: Habiburrahman Dastageeri |
|-------------|--|---|---|
| 2.00 - 2.20 | Invited Speaker - Dr. Uznir Ujang (Malaysia) "3D Topology Based on Citygml" | Invited Speaker - Dr. Imzan Hassan (Malaysia) "3D Marine Cadastre Data Model Based on LADM" | Invited Speaker - Habiburrahman Dastageeri (Germany) "Context-sensitive User Interface for Outdoor Augmented Reality Applications" |
| 2.20 - 2.40 | Amir Husni Kamaludin <i>Performance of Site Velocity Prediction in Western Belt of Sundaland</i> | Ainn Zamzuri <i>Development Of 3D Marine Cadastre Data Model Based on Land Administration Domain Model</i> | Mohd Saiful Anuar Mohd Rapheal <i>Machine Learning Approach for Tenaga Nasional Berhad (TNB) Overhead Powerline and Electricity Pole Inventory Using Mobile Laser Scanning Data</i> |
| 2.40 - 3.00 | Mohamed Simou <i>The Role of GIS in Addressing Environmental, Social and Touristic Challenges in Mohammedia City, Morocco</i> | Sazlieya Saupi Teri <i>GPU Utilization in Geoprocessing BIG Geodata: A Review</i> | Ikmal Dzukhi <i>Reliability of The GPS Carrier-Phase Fix Solution Under Harsh Condition</i> |
| 3.00 - 3.20 | Mohd Radhie Mohd Salleh <i>Classification of Translational Landslide Activity Using Vegetation Anomalies Indicator (VAI) In Kundasang, Sabah</i> | Hanis Rashidan <i>Triangular Mesh Approach for Automatic Repair of Missing Surfaces of LOD2 Building Models</i> | Chaimaa Najjaj <i>Deep Learning Approach for Urban Mapping</i> |
| 3.20 - 3.40 | Mohammed Bouchkara <i>Study of Morphodynamical Changes in The Oualidia Lagoon Using Bathymetric Data:</i> | Hairi Karim <i>3D CityGML Building Models Development with Cross-Scale Query</i> | Enrico Rolando Martinez <i>Modelling the Chlorophyll-A Concentration of Laguna Lake Using Himawari-8 Satellite</i> |

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| | <i>Initial Investigations After the Creation of The Sediment Trap.</i> | | <i>Imagery and Machine Learning Algorithms for Near Real Time Monitoring</i> |
| 3.40 - 4.00 | <i>Coffee Break</i> | | |
| | Chairperson: Dr. Abdelhamid Fadil (Morocco) | Chairperson: Prof. Dr. Mehmet Alkan (Turkey) | Chairperson: Assoc. Prof. Gurcan Buyuksalih (Turkey) |
| 4.00 - 4.20 | Abdenaim Minoubi <i>Evolution of The Sedimentary and Bathymetric Characteristics in Safi Bay During The 20th Century (Atlantic Coast of Morocco)</i> | Sara El Kohli <i>Deep Learning New Approach for Preventing Scholar Exams Fraud</i> | Sulaiman Mahyoub <i>The Use of Deep Learning in Remote Sensing for Mapping Impervious Surface a Review Paper</i> |
| 4.20 - 4.40 | Chaira Karima <i>Distribution of Dinocysts in the Surface Sediments of Sidi Moussa Lagoon: (Atlantic Coast-Morocco)</i> | Oussama Himmy <i>Solving Social and Environmental Issues and Valuing Touristic Potential Using GIS Multi-Criteria Analysis And 3D Modelling Study Case: Biougra City, Morocco</i> | Amina Samraoui <i>Validation and Comparison of Drought Monitoring Indices in Combination with Soil Moisture Using GIS And Remote Sensing: Study of The State of The Art in Morocco</i> |
| 4.40 - 5.00 | Hicret Gursay Surmeneli <i>A Comparison of Turkey-Malaysia LADM Country Profile For 3D Cadastre Purposes</i> | Rizka Fakhira <i>Future Prediction of The Expansion of Built-Up Areas in Batam Free Trade Zone (FTZ) Using Land Change Modeler</i> | |
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Closing Session

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5.00 – 5.30

Conference Chairs (*Prof. Alias Abdul Rahman and Prof. Hassan Rhinane*)

Best Paper Award

Announcement of Next Conference (*Prof. Dr. Umit Isikdag, Turkey*)