

Preliminary Scientific Program Layout

Disclaimer regarding Scientific Program: The information contained in this preliminary program layout is for planning purposes only and is subject to change without notice. Session codes, times, topics, and speakers are tentative and may be modified as the final program is developed. While every effort is made to ensure accuracy, the Organizing Committee reserves the right to amend the program to ensure the best possible scientific quality and efficient flow of the program. Please check the official congress website regularly for updates.

Saturday, 4 July 2026

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|------------------------|---|---|--|---|---|--|---|---|--|
| 8:30am - 12:00pm | TuT10: Open-source Scientific Software py4dgeo for Change Analysis in 3D/4D Point Clouds Location: 705 | | | | | | | | |
| 8:30am - 5:00pm | TuT1: 3D Reconstruction from Multi-View Satellite Imagery: From Classic to Modern Methods Location: 713A | TuT2: A Full Immersion in 3D Underwater Mapping Location: 713B | TuT3: Geospatial Deep Learning in Practice Location: 714A | TuT4: Hybrid and Precise Camera Pose Estimation in MicMacV2 Location: 714B | TuT5: InSAR Time Series Analysis with SARvey and InSAR Explorer Location: 715A | TuT6: Open Point-to-point Correspondences for Loose or Tight Integration in Kinematic Laser Scanning Location: 715B | TuT7: Open-Source Geospatial Tools for Multisensor Environmental Surveying: Positioning, Photogrammetry, Machine/Deep Learning, and Data Security Location: 716A | TuT8: Quantum Computing for Earth Observation Location: 716B | TuT9: Open Web-GIS for Disaster Response and Campus Routing: From Architecture to Deployment Location: 717A |
| 1:00pm - 4:30pm | TuT11: Photogrammetric Mapping by Drones: Theory and Practice Location: 705 | | | | | | | | |

Sunday, 5 July 2026

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| 8:30am - 12:00pm | TuT12: Advanced Topographic Time Series Data Management Using the Topo4d Extension of the Spatiotemporal Asset Catalog (STAC) for Curation, Analysis, and Visualization of 4D Point Clouds Location: 713A | TuT13: Digital Twinning with UAV and Backpack Mobile Mapping Systems Location: 713B | TuT14: FastFlood: Rapidly Using Earth Observation Data for Flood Forecasts Location: 714A | TuT15: Getting Started with CNES Open-Source 3D Tools in Python Location: 714B | TuT16: Metrics That Make a Difference: How to analyze change and error Location: 715A | TuT17: Towards Geospatial Embeddings: Investigating Accurate and Accessible Deep Geospatial Feature Representations Location: 715B | TuT18: Urban Scene Modeling Location: 716A | | |
| 8:30am - 3:00pm | General Assembly 1 Location: 701A | | | | | | | | |
| 12:00pm - 1:20pm | ICWG I/IV: Robotics for Mapping and Machine Intelligence Location: 713A | WG II/7A: Underwater Data Acquisition and Processing Location: 713B | WG II/8A: Environmental & Infrastructure Monitoring Location: 714A | WG III/7D: Remote Sensing of the Hydrosphere and Cryosphere Location: 714B | SpS1: Roundtable Digital Twins for Conservation of World Heritage Sites Location: 715A | WG IV/8A: Digital Twins for Mobility and Navigation Location: 715B | ThS26: Earth Observation Foundation Models: Scalable, Multimodal AI for Environmental Intelligence Location: 716A | ThS10: Resilient Localization, Mapping, and Perception in Adverse Conditions using Modern Civilian Radars Location: 716B | ThS16: Earth Embeddings: Investigating Accurate and Accessible Deep Geospatial Feature Representations Location: 717A |
| 1:40pm - 3:00pm | WG II/4A: AI/ML for Geospatial Data Location: 713A | WG II/9A: Vision Metrology Location: 713B | WG II/8B: Environmental & Infrastructure Monitoring Location: 714A | ThS22: Earth Observation for Crop Health and Resilient Food Systems Location: 714B | WG IV/1A: Spatial Data Representation and Interoperability Location: 715A | WG IV/8B: Digital Twins for Mobility and Navigation Location: 715B | ThS23A: Towards Large Cultural Heritage Foundation Models: Datasets, Semantic Alignment, and Component-Level Annotation Location: 716A | SpS2: ISO Data Quality Measures Register and the ISPRS Community Location: 716B | ThS13: CO3D Mission Location: 717A |
| 3:00pm - 3:30pm | Afternoon Coffee Break Location: Exhibition Hall "E" | | | | | | | | |
| 3:30pm - 5:15pm | Opening Ceremony Location: Exhibition Hall "G" | | | | | | | | |
| 5:30pm - 7:30pm | Congress Welcome Reception | | | | | | | | |

Monday, 6 July 2026

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| 8:30am - 10:00am | WG III/1A: Remote Sensing Data Processing and Understanding Location: 713A | WG IV/2A: Artificial Intelligence and Uncertainty Modeling in Spatial Analysis Location: 713B | WG IV/5: Extended Reality and Visual Analytics Location: 714A | WG III/8A: Remote Sensing for Agricultural and Natural Ecosystems Location: 714B | ICWG III/IVa-A: Disaster Management Location: 715A | WG II/3A: 3D Scene Reconstruction for Modeling & Mapping Location: 715B | IvS3A: Advancing Digital Twins for Urban Environments: Approaches to Mapping, Monitoring, and Management Location: 716A | ThS14: AI-Augmented Photogrammetry - Bridging Learning-based Approaches and Classical Geometric-based 3D Methods Location: 716B | WG III/1M: Remote Sensing Data Processing and Understanding Location: 717A | IndTech1: Industry Tech Session 1 Location: 717B |
| 10:00am - 10:30am | Morning Coffee Break Location: Exhibition Hall "E" | | | | | | | | | |
| 10:30am - 12:00pm | Plenary Session 1 Location: Exhibition Hall "G" Keynote 1 Awards Ceremony Keynote 2 | | | | | | | | | |
| 12:00pm - 1:30pm | Lunch Location: Exhibition Hall "E" | | | | | | | | | |
| 1:30pm - 3:00pm | WG II/2A: Point Cloud Generation and Processing Location: 713A | WG III/1H: Remote Sensing Data Processing and Understanding Location: 713B | WG I/6A: Orientation, Calibration and Validation of Sensors Location: 714A | WG I/2A: Mobile Mapping Technology Location: 714B | WG III/8G: Remote Sensing for Agricultural and Natural Ecosystems Location: 715A | WG IV/1B: Spatial Data Representation and Interoperability Location: 715B | IvS3B: Advancing Digital Twins for Urban Environments: Approaches to Mapping, Monitoring, and Management Location: 716A | Forum1A: Observing the Earth as One: Making space for everyone in Remote Sensing, Photogrammetry, and Spatial Information Science Location: 716B | Youth Forum: Why Join? Early Career Engagement in Professional Associations Location: 717A | IndTech2: Industry Tech Session 2 Location: 717B |
| 3:00pm - 3:30pm | Afternoon Coffee Break Location: Exhibition Hall "E" | | | | | | | | | |
| 3:30pm - 5:15pm | ThS4A: Toward Smart Forests: Emerging Tools in Remote Sensing, Artificial Intelligence, and Field Robotics Location: 713A | WG II/7B: Underwater Data Acquisition and Processing Location: 713B | ICWG III/IIA: Planetary Remote Sensing and Mapping Location: 714A | WG IV/9A: Spatially Enabled Urban and Regional Digital Twins Location: 714B | WG I/8: Multi-sensor Modelling and Cross-modality Fusion Location: 715A | WG II/3B: 3D Scene Reconstruction for Modeling & Mapping Location: 715B | IvS4: Operationalizing Earth Observation for Sustainable Resource Development Location: 716A | Forum1B: Observing the Earth as One: Making space for everyone in Remote Sensing, Photogrammetry, and Spatial Information Science Location: 716B | Forum6: UN-IGIF: Capacity Building and Education Opportunities Location: 717A | IndTech3: Industry Tech Session 3 Location: 717B |
| 3:30pm - 5:30pm | Poster Session 1 Location: Exhibition Hall "E" | | | | | | | | | |
| 5:30pm - 7:30pm | Exhibition Opening & Exhibitor Reception Location: Exhibition Hall "F" | | | | | | | | | |

Tuesday, 7 July 2026

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| 8:30am - 10:00am | WG II/2B: Point Cloud Generation and Processing Location: 713A | WG III/1I: Remote Sensing Data Processing and Understanding Location: 713B | WG I/6B: Orientation, Calibration and Validation of Sensors Location: 714A | WG IV/9B: Spatially Enabled Urban and Regional Digital Twins Location: 714B | WG III/8H: Remote Sensing for Agricultural and Natural Ecosystems Location: 715A | WG IV/1C: Spatial Data Representation and Interoperability Location: 715B | IvS1: Recent Advances in Iceberg Monitoring and Tracking Location: 716A | Forum2A: The Future of Space-based Earth Observation Location: 716B | ICWG III/IVb: Remote Sensing Data Quality Location: 717A |
| 10:00am - 10:30am | Morning Coffee Break Location: Exhibition Hall "E" | | | | | | | | |
| 10:00am - 5:30pm | Exhibition Location: Exhibition Hall "F" | | | | | | | | |
| 10:30am - 12:00pm | Plenary Session 2 Location: Exhibition Hall "G" Keynote 1 Awards Ceremony Keynote 2 | | | | | | | | |
| 12:00pm - 1:30pm | Lunch Location: Exhibition Hall "E" | | | | | | | | |
| 1:30pm - 3:00pm | WG III/1B: Remote Sensing Data Processing and Understanding Location: 713A | WG II/9B: Vision Metrology Location: 713B | WG I/3: Multispectral, Hyperspectral and Thermal Sensors Location: 714A | WG III/8B: Remote Sensing for Agricultural and Natural Ecosystems Location: 714B | ICWG III/IVa-B: Disaster Management Location: 715A | WG II/3C: 3D Scene Reconstruction for Modeling & Mapping Location: 715B | IvS2: Canadian Advances in Geospatial AI for Intelligent and Resilient Mobility Location: 716A | Forum2B: The Future of Space-based Earth Observation Location: 716B | Forum7A: Entrepreneurship in the Industry 4.0 Geospatial Landscape Location: 717A |
| 1:30pm - 5:30pm | General Assembly (tentative session) Location: 701A | | | | | | | | |
| 3:00pm - 3:30pm | Afternoon Coffee Break Location: Exhibition Hall "E" | | | | | | | | |
| 3:30pm - 5:15pm | ThS4B: Toward Smart Forests: Emerging Tools in Remote Sensing, Artificial Intelligence, and Field Robotics Location: 713A | WG IV/2B: Artificial Intelligence and Uncertainty Modeling in Spatial Analysis Location: 713B | WG III/4A: Landuse and Landcover Change Detection Location: 714A | WG I/2B: Mobile Mapping Technology Location: 714B | WG II/6: Cultural Heritage Data Acquisition and Processing Location: 715A | WG II/3D: 3D Scene Reconstruction for Modeling & Mapping Location: 715B | ApS: Applied Session Location: 716A | Forum2C: The Future of Space-based Earth Observation Location: 716B | Forum7B: Entrepreneurship in the Industry 4.0 Geospatial Landscape Location: 717A |
| 3:30pm - 5:30pm | Poster Session 2 Location: Exhibition Hall "E" | | | | | | | | |
| 5:30pm - 7:30pm | Student Reception Event | | | | | | | | |

Wednesday, 8 July 2026

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| 8:30am - 10:00am | WG II/2C: Point Cloud Generation and Processing Location: 713A | WG III/1J: Remote Sensing Data Processing and Understanding Location: 713B | WG I/5: Microwave and InSAR Technology for Earth Observation Location: 714A | WG III/8C: Remote Sensing for Agricultural and Natural Ecosystems Location: 714B | ICWG III/IVa-C: Disaster Management Location: 715A | WG II/3E: 3D Scene Reconstruction for Modeling & Mapping Location: 715B | IvS6A: Canadian Remote Sensing for Urban Applications Location: 716A | ThS18: Advances in Reality Capture, AI, and Digital Twin Technologies for Construction Engineering Location: 716B | ThS12: TLS-based Deformation Analysis Location: 717A |
| 10:00am - 10:30am | Morning Coffee Break Location: Exhibition Hall "E" | | | | | | | | |
| 10:00am - 5:30pm | Exhibition Location: Exhibition Hall "F" | | | | | | | | |
| 10:30am - 12:00pm | Plenary Session 3 Location: Exhibition Hall "G" Keynote 1 Awards Ceremony Keynote 2 | | | | | | | | |
| 12:00pm - 1:30pm | Lunch Location: Exhibition Hall "E" | | | | | | | | |
| 1:30pm - 3:00pm | WG III/1C: Remote Sensing Data Processing and Understanding Location: 713A | WG III/3A: Active Microwave Remote Sensing Location: 713B | ICWG III/IIb: Planetary Remote Sensing and Mapping Location: 714A | WG II/5: Temporal Geospatial Data Understanding Location: 714B | WG III/8I: Remote Sensing for Agricultural and Natural Ecosystems Location: 715A | WG II/4B: AI/ML for Geospatial Data Location: 715B | IvS6B: Canadian Remote Sensing for Urban Applications Location: 716A | Forum3A: Legacy Project: How to Secure Funding to Support Geospatial Activities Location: 716B | Forum8A: Wildfire Remote Sensing - Bridging Public and Private Solutions Location: 717A |
| 1:30pm - 5:30pm | General Assembly 2 Location: 701A | | | | | | | | |
| 3:00pm - 3:30pm | Afternoon Coffee Break Location: Exhibition Hall "E" | | | | | | | | |
| 3:30pm - 5:15pm | WG III/1D: Remote Sensing Data Processing and Understanding Location: 713A | WG IV/2C: Artificial Intelligence and Uncertainty Modeling in Spatial Analysis Location: 713B | WG III/4B: Landuse and Landcover Change Detection Location: 714A | WG IV/9C: Spatially Enabled Urban and Regional Digital Twins Location: 714B | WG III/5: Remote Sensing for Inclusive Pathways to Equality and Environmental Health Location: 715A | WG III/6A: Remote Sensing of the Atmosphere Location: 715B | IvS8: Next-Generation Hydrological Decision-Making using Remote Sensing Location: 716A | Forum3B: Legacy Project: How to Secure Funding to Support Geospatial Activities Location: 716B | Forum8B: Wildfire Remote Sensing - Bridging Public and Private Solutions Location: 717A |
| 3:30pm - 5:30pm | Poster Session 3 Location: Exhibition Hall "E" | | | | | | | | |
| 6:30pm - 9:30pm | Congress Dinner Location: Art Gallery of Ontario | | | | | | | | |

Thursday, 9 July 2026

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| 8:30am - 10:00am | WG III/1E: Remote Sensing Data Processing and Understanding Location: 713A | ICWG II/1a: Autonomous Sensing Systems and their Applications Location: 713B | WG III/7A: Remote Sensing of the Hydrosphere and Cryosphere Location: 714A | WG III/9: Geospatial Environment and Health Analytics Location: 714B | WG III/8J: Remote Sensing for Agricultural and Natural Ecosystems Location: 715A | WG II/3F: 3D Scene Reconstruction for Modeling & Mapping Location: 715B | IvS5: Next-Generation Flood Mapping: Integrating AI, Remote Sensing, and Evolving Landscapes Location: 716A | Forum4A: Hybrid Intelligent Geospatial Computing Location: 716B | WG I/4: LiDAR, Laser Altimetry and Sensor Integration Location: 717A |
| 10:00am - 10:30am | Morning Coffee Break Location: Exhibition Hall "E" | | | | | | | | |
| 10:00am - 1:30pm | Exhibition Location: Exhibition Hall "F" | | | | | | | | |
| 10:30am - 12:00pm | Plenary Session 4 Location: Exhibition Hall "G" Keynote 1 Awards Ceremony Keynote 2 | | | | | | | | |
| 12:00pm - 1:30pm | Lunch Location: Exhibition Hall "E" | | | | | | | | |
| 1:30pm - 3:00pm | WG II/2D: Point Cloud Generation and Processing Location: 713A | WG III/1K: Remote Sensing Data Processing and Understanding Location: 713B | ICWG II/1b: Digital Construction: Reality Capture, Automated Inspection, and Integration to BIM Location: 714A | WG III/8D: Remote Sensing for Agricultural and Natural Ecosystems Location: 714B | ICWG III/IVa-D: Disaster Management Location: 715A | WG IV/10: Applied Spatial Science for Public Health Location: 715B | IvS10: Innovation in River Ice and Surveillance and Modeling: Best Practices and Emerging Technologies Location: 716A | Forum4B: Hybrid Intelligent Geospatial Computing Location: 716B | Forum9A: Exploring the Role of DGGS and AI in Addressing Challenges of National Mapping & Remote Sensing Agencies Location: 717A |
| 3:00pm - 3:30pm | Afternoon Coffee Break Location: Exhibition Hall "E" | | | | | | | | |
| 3:30pm - 5:15pm | SpS4A: Remote Sensing of Atmospheric Components for Climate Change and Air Quality: Bridging ISPRS and AERSS Location: 713A | WG III/3B: Active Microwave Remote Sensing Location: 713B | WG III/4C: Landuse and Landcover Change Detection Location: 714A | WG II/1A: Image Orientation and Fusion Location: 714B | WG III/2A: Spectral and Thermal Data Processing and Analytics Location: 715A | WG II/4C: AI/ML for Geospatial Data Location: 715B | IvS7A: Innovative Remote Sensing of Wetlands in Canada and Beyond Location: 716A | Forum4C: Hybrid Intelligent Geospatial Computing Location: 716B | Forum9B: Exploring the Role of DGGS and AI in Addressing Challenges of National Mapping & Remote Sensing Agencies Location: 717A |
| 3:30pm - 5:30pm | Poster Session 4 Location: Exhibition Hall "E" | | | | | | | | |
| 5:30pm - 7:30pm | Student Activities | | | | | | | | |

Friday, 10 July 2026

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| 8:30am - 10:00am | WG II/2E: Point Cloud Generation and Processing Location: 713A | WG III/1L: Remote Sensing Data Processing and Understanding Location: 713B | ThS2: Remote Sensing of Methane: Technological and Methodological Advances Location: 714A | WG III/8E: Remote Sensing for Agricultural and Natural Ecosystems Location: 714B | ICWG III/IVa- E: Disaster Management Location: 715A | WG II/3G: 3D Scene Reconstruction for Modeling & Mapping Location: 715B | IvS7B: Innovative Remote Sensing of Wetlands in Canada and Beyond Location: 716A | Forum5A: From Science to Action: Advancing Global Agricultural Monitoring for Food Security and Resilience Location: 716B | ThS1: Advancements in Wildfire Science, Management, and Engagement: Integrating Earth Observation Technologies and Collaborative Development Location: 717A | IndTech4: Industry Tech Session 4 Location: 717B |
| 10:00am - 10:30am | Morning Coffee Break Location: Exhibition Hall "E" | | | | | | | | | |
| 10:30am - 12:00pm | Plenary Session 5 Location: Exhibition Hall "G" Keynote 1 Awards Ceremony Keynote 2 | | | | | | | | | |
| 12:00pm - 1:30pm | Lunch Location: Exhibition Hall "E" | | | | | | | | | |
| 1:30pm - 3:00pm | WG III/1F: Remote Sensing Data Processing and Understanding Location: 713A | ThS9: EuroSDR Thematic Session: Emerging Challenges and Opportunities for National Mapping and Cadastral Agencies Location: 713B | WG III/7B: Remote Sensing of the Hydrosphere and Cryosphere Location: 714A | ThS3: Spatial Intelligence in the Wild Location: 714B | WG III/8K: Remote Sensing for Agricultural and Natural Ecosystems Location: 715A | SpS4B: Remote Sensing of Atmospheric Components for Climate Change and Air Quality: Bridging ISPRS and AERSS Location: 715B | IvS9A: Remote Sensing and Geospatial Technologies for Vegetation Fire Management and Recovery Resilience Location: 716A | Forum5B: From Science to Action: Advancing Global Agricultural Monitoring for Food Security and Resilience Location: 716B | Forum10: Geospatial Information Science Empowered by Photogrammetry and Remote Sensing: Towards Equal, Liveable, Accessible, and Affordable Spaces Location: 717A | IndTech5: Industry Tech Session 5 Location: 717B |
| 3:00pm - 3:30pm | Afternoon Coffee Break Location: Exhibition Hall "E" | | | | | | | | | |
| 3:30pm - 5:15pm | ThS5: Large Language Models for Intelligent LiDAR Point Cloud Processing Location: 713A | WG III/3C: Active Microwave Remote Sensing Location: 713B | WG III/4D: Landuse and Landcover Change Detection Location: 714A | WG III/6B: Remote Sensing of the Atmosphere Location: 714B | WG III/2B: Spectral and Thermal Data Processing and Analytics Location: 715A | WG II/1B: Image Orientation and Fusion Location: 715B | IvS9B: Remote Sensing and Geospatial Technologies for Vegetation Fire Management and Recovery Resilience Location: 716A | Forum5C: From Science to Action: Advancing Global Agricultural Monitoring for Food Security and Resilience Location: 716B | Forum11: Canadian Earth Observation Supersites for Technology Advancement and Research Location: 717A | IndTech6: Industry Tech Session 6 Location: 717B |
| 3:30pm - 5:30pm | Poster Session 5 Location: Exhibition Hall "E" | | | | | | | | | |

Saturday, 11 July 2026

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|-------------------------|---|--|---|---|---|--|--|
| 8:30am - 10:00am | ThS21: The Global-local Exchange Loop: Coupling Earth Observation and Citizen Sciences for LCLU Mapping Location: 713A | WG IV/6: Human Behaviour and Spatial Interactions Location: 713B | WG III/7C: Remote Sensing of the Hydrosphere and Cryosphere Location: 714A | WG V/3: Open Source Promotion and Web-based Resource Sharing Location: 714B | ThS23B: Towards Large Cultural Heritage Foundation Models: Datasets, Semantic Alignment, and Component-Level Annotation Location: 715A | WG V/1: Education and Training through Curricula Development and Enhanced Learning Practices Location: 715B | WG IV/3: Geo-computation and Geo-simulation Location: 716A |
| 10:00am - 10:30am | Morning Coffee Break Location: Exhibition Hall "E" | | | | | | |
| 10:30am - 12:00pm | WG III/1G: Remote Sensing Data Processing and Understanding Location: 713A | ThS27: From Photogrammetry, Remote Sensing, and AI to Climate Action Location: 713B | ThS15: Data-Centric Learning for Geospatial Data Location: 714A | WG III/8F: Remote Sensing for Agricultural and Natural Ecosystems Location: 714B | SpS3: Cooperation on Ground Motion Monitoring for Disaster Risk Reduction and Resilience Location: 715A | WG II/3H: 3D Scene Reconstruction for Modeling & Mapping Location: 715B | WG IV/4: Data Management for Spatial Scenarios Location: 716A |
| 12:00pm - 1:30pm | Closing Ceremony Location: Exhibition Hall "G" | | | | | | |