



International Conference on Geo-Informatics Supported Disaster Risk Reduction & Smarter Urban Management

PROGRAMME

November 1-3, 2022 Beijing, China

Organized by:

International Society for Photogrammetry and Remote Sensing (ISPRS)

Hosted by:

Beijing University of Civil Engineering and Architecture (BUCEA)

Supported by

Chinese Society for Geodesy Photogrammetry and Cartography (CSGPC)

China Association for Geospatial Industry and Sciences (CAGIS)

GNSS & LBS Association of China (GLAC)

China Centre for International Science and Technology Exchange (CISTE)

Beijing International Science and Technology Exchange Center (BISTEC)

International Science Council (ISC) GeoUnions Standing Committee on Disaster Risk Reduction

United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) Academic Network

National Earth Observation Data Center (NODA)

Key Laboratory of Urban Spatial Information, Ministry of Natural Resources

China Urban Infrastructure Chamber of Commerce New Infrastructure Branch

Zhongguancun Geospatial Information & Technology Alliance

Sponsors:

PIESAT Information Technology Co., Ltd.



Gi4DM 2022 & Urban Geoinformatics 2022

November 1-3, 2022, Beijing, China
<https://www.gi4dm.net/2022/>



INTRODUCTION

The event is organized by ISPRS Technical Commission III and IV. It is consisted by 2 sub-events. One is the **ISPRS Workshop on Geospatial Information for Disaster Management (Gi4DM 2022)**. The other is the **ISPRS High-level Forum on Urban Geoinformatics (Urban Geo-informatics 2022)**. The aims of the events are to provide an inter-disciplinary platform for scientists, researchers and practitioners in the field, to present the latest developments and applications, discuss cutting-edge technologies, exchange research ideas, and promote international collaboration.

Geospatial Information for Disaster Management (Gi4DM 2022)

The event is an annual conference devoted to the application of geo-informatics in disaster risk reduction since 2005, organized by ISPRS in cooperation with different international bodies such as UNOOSA, ICA, ISCRAM FIG, IAG OGC, and WFP. The fundamental goal of the conference is to provide a forum where disaster managers, stakeholders, researchers, data providers and system developers can discuss challenges, share experience, discuss new ideas, demonstrate technology and analyze future research toward better support of risk and disaster management activities. For the period 2016-2022, Gi4DM is coordinated by the ISPRS Inter-Commission Working Group III/IVa on Disaster Assessment, Monitoring and Management. And since 2020 Gi4DM is jointly coordinated by the International Science Council (ISC) Geo-Unions Standing Committee on Disaster Risk Reduction.

Disaster risk reduction is the common responsibility of all professionals. The COVID-19 epidemic ravaging the world recent years triggered huge demands for geo-information related strategy/methods/techniques.

With the background, the topics of the event will include (not limited to):

- User needs and requirements
- Technology developments
- Applications of geospatial information to Disaster Monitoring or Management
- Data collection and management
- Data integration and knowledge discovery
- End-user environments for interaction, visualization and updating
- Positioning and location-based communication
- Assisted navigation and evacuation
- Automated mapping
- Geo-information education for disaster management
- Development and sharing of geospatial analytics

High-level Forum on Urban Geoinformatics (Urban Geoinformatics 2022)

With dense population, active economy and developed infrastructures, cities are very important for sustainable development of the countries, regions and the whole world. It is essential to better understand, plan, monitor and manage the development of cities, with the support of geoinformation technologies. High-level forum on urban geoinformatics 2022 is the first of a series of conferences that focus on RS, GIS and other related topics in urban context. The venue will be rotating among Beijing, Sydney and Toronto, every 1 or 2 years.

The topics of the 2022 event will include (not limited to):

- Digital Twins
- Digital Engineering
- 3D City Modeling
- Urban Multi-planning Data Fusion
- Ubiquitous Monitoring and Dynamic Cognition of Urban Development
- Integration of Internet of Things (IoT)
- Urban Social Networks
- Mobility and Transportation
- Knowledge Engineering
- Decision-making Support and Service Platform
- Disaster Management
- Smart Visualization
- Megacities

PROGRAMME AT A GLANCE

November 1, Tuesday		
09:00-10:00	Opening Ceremony	
10:00-10:30	Tea Break	
10:30-12:00	Plenary Session 1	
12:00-13:30	Lunch	
13:30-15:00	Plenary Session 2	
15:00-15:30	Tea Break	
15:30-17:00	Plenary Session 3	
November 2, Wednesday		
08:30-10:00	Gi4DM Session 1	Urban Geo-info Session 1
10:00-10:30	Tea Break	
10:30-12:00	Urban Geo-Info Session 2	Gi4DM Session 2
12:00-13:30	Lunch	
13:30-15:00	Special Session on Open Science approaches for DRR	Gi4DM Session 3
15:00-15:30		
15:30-17:00		Urban Geo-info Session 3
November 3, Thursday		
08:30-10:00	Urban Geo-info Session 4	Gi4DM Session 4
10:00-10:30	Tea Break	
10:30-12:00	Urban Geo-info Session 5	Special Session on one-stop remote sensing big data online services
12:00-13:30	Lunch	
14:00-16:00	Special Session on ecological environment monitoring to urban areas along China-Europe Railway	



PORGRAMME FOR NOVEMBER 1

Tuesday, 1 November	
09:00-10:00	<p>Opening Ceremony (Banquet Hall, the 1st floor; ZOOM Webinar) Chair: LIU Xianglei, Vice Dean, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>Welcome Addresses SONG Chaozhi, President, Chinese Society of Surveying, Mapping and Geoinformation LI Aiqun, Vice President, Beijing University of Civil Engineering and Architecture</p> <p>Introduction ISPRS-Structure and plan for term 2022-2026 JIANG Jie, Secretary General of ISPRS</p>
10:00-10:30	Tea Break
10:30-12:00	<p>Plenary Session 1 (Banquet Hall, the 1st floor + ZOOM Webinar) Chair: JIANG Jie, Secretary General of ISPRS</p> <p>Role of International Scientific Unions in support of the Sendai Framework and improved societal Well-being <i>Orhan Altan</i>, Honorary member of ISPRS</p> <p>Smart Campus Management using an Integrated Digital Twin <i>Jenn McArthur</i>, Department of Architectural Science, Toronto Metropolitan University, Canada</p> <p>Reflections on the losses caused by earthquake in Maduo, Haibei and Delingha of Qinghai Plateau <i>SHI Peijun</i>, State Key Laboratory of Earth Surface Processes and Resource Ecology, China; International Geographical Union (IGU)</p>
12:00-13:30	Lunch (Zijinyunding Revolving Restaurant, the 26th Floor)
13:30-15:00	<p>Plenary Session 2 (Banquet Hall, the 1st floor + ZOOM Webinar) Chair: DENG Yang, Secretary of ISC-GU-SC-DRR</p> <p>Quantitative and Qualitative Monitoring of Weather using Polarimetric and Doppler Weather Radars <i>Madhu Chandra</i>, International Union of Radio Science (URSI); Professor of Chemnitz University of Technology, Germany,</p> <p>Spatial Digital Twins for emergency response <i>Sisi Zlatanova</i>, University of New South Wales, Australia</p> <p>Digital Twins applications <i>Mila Koeva</i>, University of Twente, the Netherland</p>
15:00-15:30	Tea Break
15:30-17:00	<p>Plenary Session 2 (Banquet Hall, the 1st floor + ZOOM Webinar) Chair: DENG Yang, Secretary of ISC-GU-SC-DRR</p> <p>Data Science in Urban Geoinformatics: Challenges and Future Applications <i>Monica Wachowicz</i>, Royal Melbourne Institute of Technology, Australia</p> <p>Structural assessment and safety control for ancient buildings in historical cities <i>DENG Yang</i>, Beijing University of Civil Engineering and Architecture</p> <p>Pandemic analytics during the COVID-19 crisis <i>Ori Gudes</i>, School of Population Health, University of New South Wales, Australia</p>

PORGRAMME FOR NOVEMBER 2

Wednesday, 2 November	
08:30-10:00	<p>Gi4DM Session 1 (No. 6 Hongyun Meeting Room, the 4th floor + ZOOM Webinar) Chair: XU Shishuo, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>Risk assessment of high voltage power lines crossing forest areas-a case study of wildfires <i>R. Zhang, R. Zhong, Y. Pang, B. Yang, H. Shu, Capital Normal University, China</i></p> <p>Evaluation of several fully convolutional networks in SAR image change detection <i>L.X. Ji, Z. Zhao, W.H. Huo, JiQ.Zhao, R. Gao, Chinese Academy of Surveying and Mapping, China</i></p> <p>Research on the characteristics of present crustal deformation in Beijing area based on GNSS <i>Y. Li, Y.B. Wang, H.B. Shi, J. Zhu, Institute of Geophysics, China Earthquake Administration, China</i></p> <p>Tibetan plateau snow cover varying with climate change: a regional climate perspective <i>Y.N. Feng, S.H. Du, X.Y. Zhang, K. Fraedrich, Beijing University of Civil Engineering and Architecture, China</i></p> <p>3D scene reconstruction and path planning method for UAV in GNSS-denied environment <i>Q.G. Jin, P.C. Zhao, Q.W. Hu, X.Z. Duan, M.Y. Ai, Wuhan University, China</i></p> <p>Mapping forest disturbance using pure forest index time series and CCDC algorithm <i>Y.T. Cai, Q. Shi, X.P. Liu, Sun Yat-Sen University, China</i></p>
08:30-10:00	<p>Urban Geo-info Session 1 (ZOOM Webinar) Chair: WU Qiaoli, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>Generative design for precision geo-interventions <i>R. Wen, S. Li, Toronto Metropolitan University, Canada</i></p> <p>Indoor and outdoor structured monomer reconstruction of city 3D real scene based on nonlinear optimization and integration of multi-source and multi-modal data <i>Z.F. Shao, G. Cheng, Y.Y. Yi, Wuhan University, China</i></p> <p>A brief overview of the current state, challenging issues and future directions of point cloud registration <i>Nathan Brightman, L. Fan, Xi'an Jiaotong-Livepool University, China</i></p> <p>A deep neural network for spatiotemporal prediction of theft crimes <i>X.X. Lv, C.F. Jing, Y. Wang, S.Y. Jin, Beijing University of Civil Engineering and Architecture, China</i></p> <p>A novel adaptive remote sensing pansharpener algorithm based on the ICM <i>H.T. Zhao, X.J. Li, Y.K. Li, J.F. Gai, X.Y. Xu, Lanzhou Jiaotong University, China</i></p> <p>POI Point entity matching and fusion based on multi similarity calculation <i>J.H. Zhao, X.Y., Niu, Y.Y. Cui, Y.X. Zhao, M. Guo, R.J. Zhang, Beijing University of Civil Engineering and Architecture, China</i></p>
10:00-10:30	Tea Break

10:30-12:00	Urban Geo-Info Session 2 (No. 6 Hongyun Meeting Room, the 4 th floor + ZOOM Webinar) Chair: CHEN Qiang, School of Geomatics and Urban Spatial Informatics, BUCEA
	<p>An ground and under-ground urban road surveying approach using integrated 3D Lidar and 3D GPR technology <i>Y.B. Zhou, Q.W. Hu, J. Zhang, P.C. Zhao, F. Yu, M.Y. Ai</i>, Wuhan University, China</p> <p>Optimal location of wastewater treatment plants considering multiple factors:a case study of Phnom Penh <i>Y.Y. Zhou, Y. Song, W.J. Qin, J. Sun</i>, China University of Geosciences, China</p> <p>Spatial and temporal variability of ecosystem support services and drivers in metropolitan areas based on the invest model <i>J.P. Wen, W. Fu</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>AU-Net: A Deep Learning Network for Precise Water Body Extraction in The Middle And Lower Reaches of The Yellow River <i>C. Liu, X. Guo, J. Jiang</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Point cloud slicing-based extraction of indoor components <i>J.H. Zhao, Y.Y. Cui, X.Y. Niu, X. Wang, Y.X. Zhao, M. Guo, R.J. Zhang</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Simulation of ecological risk in Beijing using MOP-plus model <i>M.Y. Du, C.H. Liu, W.Y. Wang, H.B. Yang</i>, Beijing University of Civil Engineering and Architecture, China</p>
10:30-12:00	Gi4DM Session 2 (ZOOM Webinar) Chair: WANG Runjie, School of Geomatics and Urban Spatial Informatics, BUCEA
12:00-13:30	Lunch ((Zijinyunding Revolving Restaurant, the 26th Floor)
13:30-17:30	Special Session: Open Science Approaches for DRR (No. 6 Hongyun Meeting Room, the 4 th floor; ZOOM Webinar) Chair: Li Guoqing, Director, National Earth Observation Data Center (NODA) Bapon Fakhruddin, Technical Director, DRR and climate resilience, Tonkin + Taylor
	Part 1: Presentations from the following agencies/fields:
	The mission of ISC Geo-Union Standing Committee on Disaster Risk Reduction <i>Orhan Altan</i> , Chair of ISC Geo-Union Standing Committee on Disaster Risk Reduction (ISC-GU-SC-DRR)
	Collaboration on disaster emergency services based on open science data <i>Guoqing LI</i> , Volunteered Rapid Disaster Monitoring and Mapping (VoRDM)

	<p>Supporting DRR with Open Science – A human perspective <i>Yan Wang</i>, Technische Universiteit Delft, The Netherland</p> <p>IRDR Phase II: a global open science endeavor for risk-informed sustainable development <i>Qunli Han</i>, International Programme Office for Integrated Research on Disaster Risk (IRDR IPO)</p> <p>Part 2: Brief Presentations by Young Scientists</p> <p>Part 3: Discussion Policy Brief on ‘Approaches and Challenges: Open Science for DRR’</p>
13:30-15:00	<p>Gi4DM Session 3 (ZOOM Webinar) Chair: CAO Shisong, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>Integrated Digital Platforms for the documentation and management of cultural heritage at risk <i>F. Raco.</i>, University of Ferrara, Italy</p> <p>Rainwater retention site assessment for urban flood risk reduction and flood deffence in Mandaue City, Philippines <i>J.H. Banados, I.P. Quijanoi</i>, University of the Philippines, Philippines</p> <p>Research status and development trend of phogogrammetry and remote sensing in urban flood disaster <i>N. Sun, C.L. Li, B.Y. Guo, X. K. Sun, Y.K. Yao, Y. Wang</i>, Shandong Universtiy of Technology, China</p> <p>Emporal and spatial change detection of ecological environment quality in Shanxi province based on remote sensing <i>S.J. Wang, Y. Song, W.J. Qin, Y.H. Tu, B.B. Li, Z.J. Zhang</i>, China University of Geosciences (Wuhan), China</p> <p>A new method for dehazing of UAV remote sensing images based on improved dark channel prior <i>X.L. Liu, T. Zhang, Y.H. Liu, R.J. Wang</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Large-scale flood detection in the Pearl River basin based on GEE and tiem-seris Sentinel-1 SAR images <i>B.F. Zhao, H.G. Sui</i>, Wuhan University, China</p>
15:00-15:30	Tea Break
15:30-17:00	<p>Urban Geo-info Session 3 (ZOOM Webinar) Chair: LUO Nana, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>On the estimation of vehicle trajectories with a mini-UAS <i>F. Mugnai, A. Masiero, B. Ciuffo</i>, University of Florence, Italy</p> <p>A novel remote sensing image registration algorithm based on the adaptive PCNN segmentation <i>J.F. Ge, Y.S. Zhang, X.J. Li, H. Li, Y.K. Li</i>, Lanzhou Jiaotong University, China</p> <p>Research on validity measurement of megacities renewal policies and sutability scale for urban remote sensing data applications: taking Beijing’s dual control policy as an example <i>Y. Wu, A.Q. Li</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Geoscene modeling and analysis for urban functional zones <i>X.Y. Zhang, S.H. Du</i>, Peking University, China</p> <p>Robust techniques for building footprint extraction in aerial laser scanning 3D point clouds <i>A. Nurunnabi, N. Teferle, J. Balado, M. Chen, F. Poux, C. Sun</i>, University of Luxembourg, Luxembourg</p> <p>Database construction and integrated display of 3D city modeling data <i>Z.K. Zhai, W.H. Zhao, J.J. Liu, J.W. Liu, Y. Gao, J. Che</i>, National Geomatics Center of China, China</p>

PROGRAMME FOR NOVEMBER 3

Thursday, 3 November

08:30-10:00	<p>Urban Geo-Info Session 4 (No. 6 Hongyun Meeting Room, the 4th floor + ZOOM Webinar) Chair: WANG Runjie, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>Canopy Structural Effects on Bidirectional Reflectance Simulated by the LESS model: A Case Study of Picea Crassifolia Forests <i>Q.L. Wu, S.H. Yang, J. Jiang</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Crop Yield Estimation in the North China Plain from 2001 to 2016 using Multi-source Remote Sensing Data and Process-based FGM Model <i>Q.L. Wu, X.Y. Wang, J. Jiang, S.Y. Chen</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>A SLAM method for handheld hemispherical view laser scanning system <i>X.Z. Duan, H.G. Yang, Q.W. Hu, X. Wu, P.C. Zhao</i>, Wuhan University, China</p> <p>An optimal deployment method of UWB positioning base-station <i>J.K. Li, C.D. Xiu, D.K. Yang</i>, Beihang University, China</p> <p>Asymmetric fuzzy classification networks for construction land detection in high resolution remote sensing images <i>R.X. Fang, Z.C. Wu, X.H. Song</i>, Wuhan University, China</p> <p>Knowledge graph enabled representation and exploration for urban historical buildings: a case study in Beijing, China <i>X. Cao, X. Guo, J. Jiang</i>, Beijing University of Civil Engineering and Architecture, China</p>
08:30-10:00	<p>Gi4DM Session 4 (ZOOM Webinar) Chair: LUO Nana, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>Research on emergency rescue response in Wenchuan county in China based on Baidu Map navigation data <i>Z.X. Zhou, X.D. Zhang, M.W. Li, X.D. Wang, B. Chen, Z.D. Xu, Z.W. Li</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Application of poisson process to drought prediction – the case study of Yucheng city <i>Y.J. Yang, Y.Q. Song</i>, Shandong University of Technology, China</p> <p>Event graph construction method on natural disaster research <i>K.X. Liu, C. Yin, Y.Q. Sun, M.Y. Du</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Spatiotemporal analysis method of urban environmental factors along streets constrained by road network <i>L.J. Hu</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Analysis of the super typhoon rai-induced infrastructure damage in severely affected area of Caraga region, Philippines using Sentinel-1 SAR imageries <i>K.P. Bolanio, M. M. Bermoy, A.C. Gagula, J.G. Vernante, A.M. Boligor, J.M. Cabanelez</i>, Caraga State University, Philippines</p>
10:00-10:30	Tea Break

10:30-12:00	<p>Urban Geo-Info Session 5 (No. 6 Hongyun Meeting Room, the 4th floor + ZOOM Webinar) Chair: CHEN Qiang, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>Thermal environment of residential communities over a coast area in southeastern China <i>F. Chen, X.W. Shen, D.F. Huang, Y.X. Huang</i>, Xiamen University of Technology, China</p> <p>The impact of water related eco-planning on ecological effectiveness in megacity Beijing China <i>W. Fu</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Urban design strategies for the upcycling of urban infrastructure residual pockets: 3D city modelling from open data and low-cost rapid mapping tools <i>L. Stendardo, R. Spera, M. Campi, V. Cera, A. Di Luggo</i>, University of Naples Federico II, Italy</p> <p>Improvement of pedestrian dead reckoning algorithm for indoor positioning by using step length estimation <i>L. Huang, H. Li, W.K. Li, W.T. Wu, X. Kang</i>, Xiamen University of Technology, China</p> <p>A novel quadratic error metric mesh simplification algorithm for 3D building models based on 'local-vertex' texture features <i>T.M. Zhao, J. Jiang, X. Guo</i>, Beijing University of Civil Engineering and Architecture, China</p>
10:30-12:00	<p>Special Session on one-stop remote sensing big data online services (ZOOM Webinar) Chair: ZHU Lin, College of Resource Environment and Tourism, Capital Normal University</p> <p>Research progress of one-stop remote sensing big data online analysis platform <i>Wei Cheng</i>, Piesat Information Technology Company, Limited, China</p> <p>Wukong cloud platform and applications <i>Jinyan Tian</i>, Beijing-Tianjin-Hebei Geoscience Data center co-built by National Earth System Science Data Center and Capital Normal University, China</p> <p>Opportunities, challenges and solutions on the education and training platform for Earth Observation: BESTCloud <i>Quan Xiong</i>, Aerospace Information Research Institute, Chinese Academy of Sciences, China</p> <p>Analysis and practice of remote sensing data based on PIE-Engine <i>Haoren Wang</i>, Piesat Information Technology Company, Limited, China</p>
14:00-16:00	<p>Special Session on ecological environment monitoring to urban areas along China-Europe Railway (ZOOM Webinar) Chair: JIANG Jie, School of Geomatics and Urban Spatial Informatics, BUCEA</p> <p>Monitoring Environmental Changes and City Expansions along China-Europe Railway Express (CER Express) using Multi-Source Remotely Sensed Data <i>Xian Guo</i>, School of Geomatics and Urban Spatial Informatics, Beijing University of Civil Engineering and Architecture, China</p> <p>Monitoring the Impact of Large Transport Infrastructure on Land Use and Environment Using Deep Learning and Satellite Imagery <i>Slobodan Ilic</i>, University of Novi Sad, Serbia</p> <p>Global High-Frequency Fractional Vegetation Cover Estimated from DSCOVREPIC Directional Hotspot Dataset <i>Wanjuan Song</i>, State Key Laboratory of Remote Sensing Science, Aerospace Information Research Institute-Chinese Academy of Sciences, China</p> <p>Improved Estimation of Gross Primary Production in Europe by Considering Spatial and Temporal Dynamics in Photosynthetic Capacity <i>Qiaoli Wu</i>, School of Geomatics and Urban Spatial Informatics, Beijing University of Civil Engineering and Architecture, China</p> <p>Long-term ecological environment change monitoring in scale of city along Chin-Europe railway express with a remote sensing-based ecological index (RSEI): a case study in Warsaw , Poland <i>M. Yang, X. Guo, J. Jiang</i>, Beijing University of Civil Engineering and Architecture, China</p> <p>Long-term and large-scale remote sensing mapping: Methods and Products <i>Xin Huang</i>, School of Remote Sensing and Information Engineering, Wuhan University, China</p>

VENUE

The event will be held in hybrid manner. The physical venue is in Xiyuan Hotel, a five-star courtyard-style business hotel located between West 2nd Ring Road and West 3rd Ring Road in Beijing, which is 5 minutes' walk from Subway Line 4, Line 6, Line 9. It is also close to the Xicheng Campus of BUCEA, with about 10 minutes' walk.

Address: 1 Sanlihe Road, Haidian District, Beijing, China

Web: <http://xiyuanfandianbeijing.com.cn/xiyuan/overview.html>

INFORMATION TO SPEAKERS

Guideline for Oral Presentation

General

The language of the Symposium will be English. Simultaneous translation will not be provided. To assure that there is effective communication between the speaker and the audience, a speaker must speak clearly, slowly, and concisely.

Time allocation

Each oral session is 1.5 hours long. The time allocation for each presentation is **about 15 minutes** including introduction, and questions/answers. We would suggest you keep your presentation within 12 minutes so there will be 3 minutes for Q/A. But invited papers and keynote speeches will have more time. Please keep the oral presentation within the allotted time slot.

Audio-Visual (AV) equipment

For the visual presentations an LCD projector is available to be used with digital presentation (i.e., PowerPoint slide presentation) from the laptop computer provided by the meeting.

A fixed and a carry-on microphone will be available as well as an electronic pointer.

Please ensure that your presentation allows legible and attractive viewing (e.g., uses appropriate font sizes, high quality graphics and is visible to the audience at the back of the room).

The slide in a 4:3 aspect ratio is recommended.

Rehearsal (**IMPORTANT**)

The meeting will provide Laptop computers for presentations. You are required to **copy your presentation** (PowerPoint file) into the specified computers **half day before** your presentation, to ensure your slides can be projected correctly.

If you need to do some special demo that must use your own Laptop computer, you are required to test the connection of your computer to the projector at least half day before your presentation. Please note that the electric current is 220V-50Hz and you may need socket adaptors.

Site preparation

- (1) Familiarize yourself with the daily time schedule and make sure that you know exactly when you are expected to present.
- (2) Familiarize yourself with the facilities available and do so, whenever possible, the day before. That is, be sure that you know how to project your slides, and that you are comfortable with room lighting, speaker timing devices, microphones, pointers, height of reading desk, etc. Check the best position of microphones according to its "characteristic".
- (3) **You should arrive 15 minutes before** the session in which you are to speak.
- (4) Please submit the attached **PRESENTER INFORMATION FORM** to the chairperson.

Guideline for Virtual Presentations

General

The language of the Symposium will be English. Simultaneous translation will not be provided. To assure that there is effective communication between the speaker and the audience, a speaker must speak clearly, slowly, and concisely.

You are required to prepare and submit a video presentation **before October 25, 2022**.

Time allocation

Each oral session is 1.5 hours long. The time allocation for each presentation is **about 15 minutes** including introduction, and questions/answers. We would suggest you keep your video presentation within 12 minutes so there will be 3 minutes for Q/A. But invited papers and keynote speeches will have more time. Please keep the oral presentation within the allotted time slot.

Video requirements

The video file is in .mp4 format. The file size should **not exceed 300MB** and the playback time should **not exceed 12 minutes**. The projection resolution is 1980 * 1020, and the aspect ratio is 4:3. The video files must be tested by yourself in advance to ensure that the video can be played continuously to the end.

Please send the video to gi4dm_registration@126.com .

Rehearsal (**IMPORTANT**)

You are required to **test your virtual presentation** 3-4 days before the meeting. An e-mail will be sent to you with link of ZOOM Webinar instructions for testing.

Virtual Presentation

- (1) You will receive the Zoom Link before the session, which will be used for attending the sessions and make your presentation.
- (2) **You should arrive 15 minutes before** the session in which you are to speak.
- (3) Please submit the attached **PRESENTER INFORMATION FORM** to the chairperson.

IMPORTANT

Please provide this information to the chairperson before your session

Presenter Information

First Name:

Family Name:

Title and Position:

Employer:

Background of Education:

Brief CV:

REGISTRATION

We sincerely invite all participants to register for attending the events. We offer discount for payment before September 1st.

We provide several categories for registration to cope with COVID-19 epidemic risks. But you can change between on-site/on-line according to the epidemic status before 30 September 2022.

Categories	Before 2022-09-01	After 2022-09-01
On-site participant (include one paper publication)	3200 RMB / 460 Euro	3500 RMB / 500 Euro
On-line participant (include one paper publication)	1800 RMB / 260 Euro	2000 RMB / 285 Euro
On-line participant (no paper publication)	1000 RMB / 150 Euro	1200 RMB / 170 Euro
On-site student or senior (include one paper publication)	1500 RMB / 215 Euro	1700 RMB / 245 Euro
On-line student or senior (no paper publication)	500 RMB / 70 Euro	600 RMB / 85 Euro
Accompany person (On-site)	1500 RMB / 215 Euro	1700 RMB / 245 Euro
1 day registration (On-site)	1000 RMB / 150 Euro	1200 RMB / 170 Euro
1 day registration (On-line)	500 RMB / 70 Euro	600 RMB / 85 Euro

Note:

- students are full-time B.Sc, M.Sc or Ph.D students and should upload a valid evidence of their student status when registering.
- Senior are considered participants over 65 years old on 1 November 2022 and can show a valid ID on arrival.
- 1 day registrations DO NOT cover the publication of the paper.
- Accompany person has no access to sessions.

COMMITTEE

Chairs:

Jie JIANG, ISPRS, China
Sisi Zlatanova, ISPRS TC IV, Australia
Orhan Altan, ISC GeoUnion Standing Committee on DRR, Turkey
Songnian LI, UN-GGIM Academic Network, Canada

Members:

Alexander Rudloff, IUGG, Germany
Anika Braun, INQUA, Germany
Carlo Doglioni, IUGS, Italy
Edoardo Costantini, IUSS, Italy
Giuliano Manara, URSI, Italy
Hiroshi Kitazato, IUGS, Japan
James McCalpin, INQUA, USA
John L. LaBrecque, IUGG, USA
Madhu Chandra, URSI, Germany
Michael Meadows, IGU, South Africa
Peijun Shi, IGU, China
Takashi Kosaki, IUSS, Japan
Tullio Joseph Tanzi, URSI, France
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