

## **PREFACE: TECHNICAL COMMISSION V**

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Capacity Building in promoting geospatial technologies and their applications has its significance in ensuring good governance and resources management at local, regional and global scales. To emphasize this strongly in the young generation, the International Society for Photogrammetry and Remote Sensing (ISPRS) has been engaged for more than 16 years by having an exclusive Technical Commission on Education and Outreach elements. Every 4 years, this Commission has been addressing different aspects of geospatial technologies by setting up theme specific Working Groups (WGs). ISPRS Student Consortium is part of its WG on promoting profession to the youth. This serves as a platform of communication and information exchange among members, enabling professional networking and fostering collaborations.

The Technical Commission V (TC-V) on Education and Outreach (2016-2021) has constituted eight theme WGs with different roles and activities to work upon following areas (i) multi-tier training for all levels (ii) collaborative effort at national, regional and international level (iii) dissemination through distance learning mode and web-based resource sharing & (iv) use of best practices to implement through citizen science approach, open source tools & geo web services. These WGs have made significant contributions by engaging actively in workshops and new scientific initiatives in the past four years. TCV also with support of the International Policy Advisory Committee conducted a full-day program on International Cooperation on Earth Observation in its Mid term Symposium.

We are happy to note that for XXIV Congress 2022 Edition, there were 10 research papers accepted on Education and Outreach. Of these, 7 were submitted for Archives and 3 for Annals. These papers include topics covering an overview of present status of capacity development programs in geospatial technology and applications, computational guide to stereo vision, quality control elements in surveying and mapping geographic information industry, current status of and improvement needed in vocational education, a closed loop collaborative model for industry-university research, achievements and lessons learnt from ISPRS Student Consortium activities in the past six years, development of web-based approach for geoid models, the use of analytic hierarchy process for selecting alternative spaces for urban management, aiding smart city development with 3D modeling to transform into virtual reality environment and an analytical approach for reconstructing historical aerial photos to reconstruct evolutionary dynamics of the landscape. All these papers were reviewed by selected experts.

We sincerely thank all the reviewers and acknowledge strong efforts made by Area Chairs to ensure quality of all accepted papers. We greatly appreciate the perseverance and dedication of the Scientific and Organizing Committee. We are confident that the present 2022 edition of ISPRS Congress Proceedings will serve as a platform for discussion on the current research efforts on the Education and Outreach themes cutting across different disciplines.