



中国测绘学会

Chinese Society for Geodesy Photogrammetry and Cartography

Dear President, Prof. Christian Heipke,

On behalf of Chinese Society for Surveying, Mapping and Geoinformation, here we submit the application for hosting Technical Commission I (Sensor Systems) for the next four year period (2022-2026).

1. Proposed Technical Commission President (TCP)

President: Prof. Dr. TANG Xinming, Land Satellite Remote Sensing Application Center (LASAC), Ministry of Natural Resources of the People's Republic of China

Vice-president: Prof. Antonio Maria Garcia Tommaselli, São Paulo State University

Secretary: Dr. ZHANG Tao, Land Satellite Remote Sensing Application Center, Ministry of Natural Resources of the People's Republic of China

Biography of Prof.Dr. TANG Xinming:

Prof. Dr. TANG Xinming is the Chief Engineer of Land Satellite Remote Sensing Application Center (LASAC), Ministry of Natural Resources of the People's Republic of China. He was born in Jiangsu Province, China, in 1966. He received his B.S. degree in cartography and geography information system from the Nanjing University, China, in 1987; and his Ph.D. degree from University of Twente in Netherlands, in 2004.

He worked as a satellite mapping specialist in the Chinese academy of surveying and mapping during 1987-2009. As one of the founders, He joined LASAC in 2009. He is the chief designer of ZY-3 satellites application system, and deputy designers of GF series of satellites application system of China. As one of the academic top-leaders in the field of satellite mapping, he led the team and broke through the key technologies of integrated design and geometric calibration of Chinese mapping satellites, realizing the fundamental change of China's 1:50,000 mapping from aerial to space photogrammetry. He also built a laser altimetry technology for earth observation satellites on ZY-3. He has made outstanding contributions to develop the core technology of satellite remote sensing applications, and greatly improve the level and operational service capability of satellite remote sensing in China.

Prof. Dr. TANG has got various governmental scientific awards in China, including the first prize of national science and technology progress award (rank 1), the second prizes 3 times (rank 2, 3, 5), and many provincial and ministerial level awards. He has published more than 150 scientific papers in academic journals and international conferences, written 6 monographs. He also holds 28 national patents, 39 software copyrights.

He has experienced about 18 years on ISPRS affairs and successively served as the chair for WG I/5, WG I/4, and WG II/1 since 2004. He is now the alternate of co-chair, executive board of GEO, and the chair of Remote Sensing Image Application Committee, CAGIS, China.



中国测绘学会

Chinese Society for Geodesy Photogrammetry and Cartography

Biography of Prof. Antonio Maria Garcia Tommaselli:

Prof. Antonio Maria Garcia Tommaselli holds a degree in cartographic engineering from São Paulo State University (1983), a master degree in geodetic sciences from Paraná Federal University (1988) and doctor degree in electric engineering from Campinas State University (1993), licentiate in photogrammetry by Unesp (1998), a posdoc fellow at University College London (1998). He is currently full professor at São Paulo State University. He is a member of the Advisory Committee of the Commission I of the International Society for Photogrammetry and Remote Sensing and member of the IAB (International Advisory Board) of the Photogrammetric Record. He is also researcher level 1B (PQ 1B) of the National Council for Scientific and Technological Development. He published 101 peer reviewed papers, 16 book chapters and 304 papers in national and international proceedings of scientific and professional conferences. He supervised 24 Ms students and 14 doctoral candidates. His interests are focused on digital photogrammetry, image orientation, sensor modelling and calibration, feature extraction.

Biography of Dr. ZHANG Tao:

Dr. ZHANG Tao got his B.S. degree in geography information system from the Shandong Jianzhu University, China, in 2004; the M.S. and Ph.D. degree in cartography and geography information system from Beijing Normal University, China, in 2011 and 2014, respectively. His research interests are land surface parameters retrieval by using land satellite observations. He has published more than 30 papers in academic journals and international conferences and is now team leader responsible for analysis and evaluation of land surface changes extracted from satellite images. He works in the same institute with Dr. TANG Xinming and can ensure his time for the commission affairs.

2. Financial support

(1) Commitment for ISPRS Activities of TANG Xinming and ZHANG Tao

The Land Satellite Remote Sensing Application Center (LASAC) will ensure Prof. TANG Xinming and Dr. ZHANG Tao for their time spent on preparation, planning, management and reporting of the Commission work, as well as travels for the symposium, Council meeting, Congress, Geospatial Weeks and Workshops, during the ISPRS term 2022-2026. LASAC will provide financially support to Prof. TANG Xinming and Dr. ZHANG Tao for their duties in ISPRS Commission during the ISPRS term 2022-2026.

(2) Commitment for ISPRS Activities of Antonio Maria Garcia Tommaselli

São Paulo State University ensures that Prof. Antonio M. G. Tommaselli will have part of his work time allocated for ISPRS activities on preparation, planning, management and reporting of the Commission work, as well as travels for the symposium, Council meetings, whenever requested, Congress, Geospatial Week and Workshops, during the ISPRS term 2022-2026. Suitable funding for these activities will come from the Researcher grants of

Address: No.28, Lianhuachixi Road, Haidian District, Beijing, China Post Code: 100830

Tel: +86-10-63881403 Fax: +86-10-63881320



中国测绘学会

Chinese Society for Geodesy Photogrammetry and Cartography

the National Council for Scientific and Technological Development (CNPq), São Paulo Research Foundation (Fapesp) and São Paulo State University Foundation (Fundunesp). Attached is the support letter for Prof. Antonio M. G. Tommaselli.

(3) ISPRS mid-term Symposium

LASAC, on behalf of ISPRS TC I, will host the ISPRS mid-term Symposium in 2024. The Symposium will provide free of registration for Council and Honorary members, Chairperson of the Financial Commission and Editors of the ISPRS Journals, and also free accommodation for Council members.

3. Provisional plan for activities

Activities of the TC I will be organized according to the ISPRS Orange book. The contract with ISPRS for hosting TC I during 2022-2026 will be signed after the Nice Congress.

(1) Terms of Reference and Working Groups

The Terms of Reference, the structure of WGs of the TC will be prepared before the Nice Congress and will be discussed and revised by related experts and ISPRS officers. It will be submitted to the ISPRS Council for approving on the 1st Council meeting following the Nice Congress. The working groups will be organized during and after the Nice Congress.

(2) Conferences

A symposium of TC I is planned to be held in December, 2023, in Hainan, China. It is also be taken as the pre-meeting of the mid-term Symposium.

The mid-term Symposium is planned to be held in May, 2024, in Beijing, China, jointly hosted by TC I and China GEO. It will focus on high resolution satellite and sensor design, calibration, and applications. Inter-disciplinary keynote papers and/or sessions will be included in the Symposium.

The TCP will provide necessary help to WG officers for organizing WG Workshops during the term according to the Orange Book.

The TCP will encourage the WGs to organize sessions, seminars, tutorials in related conferences and the next Congress.

(3) Publications and reports

The TCP will publish the papers from the Symposium and Workshops as the Volumes of the *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences* and/or the *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Science*. The TCP will seek high quality scientific papers suitable for publication in the *ISPRS Journal of Photogrammetry and Remote Sensing* and the



中国测绘学会

Chinese Society for Geodesy Photogrammetry and Cartography

ISPRS International Journal for Geo-Information at the Symposia and Workshops, and provide, in consultation with the journal Editor-in-Chief, papers for at least one theme issue on topics related to Commission I during the four year period. Reports of events will be submitted the Council and news items for publication in the *ISPRS eBulletin* will also be submitted.

(4) Liaison

The TCP will make efforts to promote international data sharing, benchmarking and cooperation, and will cooperate with international organizations such as GEO, IEEE GRSS, UN-GGIM Geospatial Societies, etc.

We would appreciate it if you review and consider this application.

Sincerely yours,

Chaozhi SONG
President

Chinese Society for Geodesy Photogrammetry and Cartography



ASSOCIAÇÃO DE ESPECIALISTAS
LATINOAMERICANOS EM
SENSORIAMENTO REMOTO
SELPER - BRASIL

São José dos Campos, April 27, 2022

Subject: Support letter to the bid for ISPRS Commission I

On behalf of SELPER-Brasil, candidate for Ordinary Member for Brazil, it is my honour to fully support the bid presented by Dr. Xinming Tang, Chief Engineer of Land Satellite Remote Sensing Application Center (LASAC), for President and Prof. Antonio Maria Garcia Tommaselli, São Paulo State University (UNESP), for Vice-President.

Prof. Antonio Maria Garcia Tommaselli will have expenses covered by research grants from the National Council for Scientific and Technological Development (CNPq), São Paulo Research Foundation (FAPESP) and São Paulo State University Foundation (Fundunesp).

On behalf of the whole Brazilian remote sensing community, SELPER-Brasil is willing do its best to contribute to ISPRS activities related to Commission I for the next 4 years.

Best regards,

Hilcéa S. Ferreira

Dra. Hilcéa Santos Ferreira

Presidente

SELPER BRASIL