

Commission 1 Professional Standards and Practice

Newsletter Dec 2020



Winnie SHIU
Chair (2019-2022)

New Chair of Working Group 1.1



Timothy Burch

Welcome Timothy Burch of National Society of Professional Surveyors of United States joining us as the Chair of Commission 1 Working Group 1.1 on International Ethical Standards with effect from Dec 2020.

New FIG Publication: International Boundaries on Unstable Ground



Haim Srebro

My sincere thanks to Dr. Haim Srebro, Chair of Working Group 1.3 International

Boundary Settlement and Demarcation for editing the International Boundaries on Unstable Ground as a supplement to the International Boundary Making to promote just, peace and inclusive societies throughout the world and achieve the United Nations Sustainable Development Goal No. 16 on Peace, Justice and Strong Institutions.

FIG Commission 1 Workshop - Professional Standards and Practice of Surveying and Mapping in the countries along the Belt and Road Routes



The workshop had been successfully held in Deqing, Zhejiang Province, China on 16th - 18th September 2020. It was organised by FIG Commission 1 and The People's Government of Deqing County, China, hosted by Zhejiang Province Society for Geodesy Photogrammetry and Cartography, The Administration of Huzhou Moganshan High-tech Industry Development Zone, China, and Beijing iSpatial Co., Ltd., FIG Corporate member, and guided by the Chinese Society for Geodesy, Photogrammetry and Cartography.

Owing to the COVID-19 pandemic, the workshop was conducted in hybrid mode, both onsite and online, and was well attended by about 200 delegates including Austria, China, Czech Republic, Finland, Germany, New Zealand, Nigeria, Pakistan, Russia, Rwanda, United Kingdom, United States, Zimbabwe, and many other countries.

The Belt and Road Initiative is a significant development strategy launched by the Chinese government with the intention of promoting economic co-operation. It is intended to enhance the orderly free-flow of economic factors and the efficient allocation of resources, as well as to further market integration and create a regional economic co-operation framework of benefit to all.

Within the scope of this initiative, there are five routes spanning over 60 countries in Asia, Africa and Europe, with over 60% of the whole world population living therein. To cater for the survey and mapping needs of this mega endeavour, surveyors are facing enormous challenges to provide quality surveying and mapping services in exploiting the state-of-the-art technology and to develop innovative ideas to further advance survey and mapping services.

FIG Commission 1 sees that it is opportune time to have a critical look at the standards and practice in surveying and mapping as adopted by various surveying organizations with a view to modernizing and enhancing these standards and practices to better meet the changing environment and needs, particularly as we are entering into the age of geospatial data.

Topics delivered in the workshop included the followings:

- Ethical standards in surveying and mapping;
- Advanced technologies of remote sensing, UAV, GNSS, GIS, Spatial Data Infrastructure, BIM for infrastructure projects and international collaboration along the Belt and Road countries; and
- International education in surveying and mapping as well as collaborative projects initiated by young surveyors along the Belt and Road countries.

The opening ceremony was held at the Hall Xiazhuhu, Deqing International

Conference Center on 16 September in the afternoon so as to strike a balance of suiting the time of speakers and participants in different time zones.

The ceremony was kicked off with an opening remarks delivered by me as the Chair of FIG Commission 1, followed by the welcome addresses from Zhiwei SHEN (Executive Deputy Director of Management Committee of Huzhou Moganshan High-tech Industry Development Zone, China), Jixian ZHANG (Vice President of FIG) and Chaozhi SONG (President of Chinese Society for Geodesy Photogrammetry and Cartography). Thanks Zhang Jin HUANG (member of Deqing County Government) for chairing the session.



*Opening Remarks by Winnie SHIU
Chair of FIG Commission 1*



*Welcome Address by Zhiwei SHEN
Executive Deputy Director of Management Committee of
Huzhou Moganshan High-tech Industry Development Zone,
China*



*Welcome Address by Jixian ZHANG
Vice President of FIG*



*Keynote Address by Prof. Milan KONECNY
Professor of Masaryk University, Czech Republic*



*Welcome Address by Chaozhi SONG, President of Chinese
Society for Geodesy, Photogrammetry and Cartography*



*Keynote Address by Prof. Xinming TANG
Chief Engineer, Researcher, Land Satellite Remote Sensing
Application Centre, Ministry of Natural Resources of China*

Keynotes addresses were given by renowned experts covering the topics on SDG local monitoring, Sendai Framework and geospatial effort, applications and services of Chinese Natural Resources Satellites, creating a universal set of ethics principles for surveying profession and general geospatial intelligence. Thanks for Professor Timo BALZ, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, China, moderated the keynote session.



*Keynote Address by Karin BARTHELMES-WEHR
Chair of International Ethics Standards Coalition*



*Keynote Address by Prof. Jun CHEN, Academician of the
Chinese Academy of Engineering, Professor of National
Geomatics Centre of China, ISPRS Past President*



*Keynote Address by Prof. Qing ZHU
Professor of Southwest Jiaotong University, China*



*Moderator of Keynote Address Session by
Tim BALZ, State Key Laboratory of Information
Engineering in Surveying, Mapping & Remote Sensing,
Wuhan University, China*



Photos at the Opening Ceremony

In the technical sessions on 17th September 2020, several world-renowned speakers from the academia, private and government sectors delivered their expert views on contemporary surveying standards and practices and how to lucratively apply them in the developing countries along these Routes alongside the Belt and Road Initiative. They also shared their experiences and insights on professional ethics, surveying standards and quality management, international education, cutting-edge technologies and applications as well as international cooperation related to surveying, mapping and geospatial

information. Thanks for Minyi Li and Prosper Washaya of Deqing iSpatial Co., Ltd. moderated the technical sessions.

Apart from the technical sessions, technical visits and social events were something that couldn't be missed. The delegates had an enjoyable time at the technical visit at the Moganshan Town – Geographic Information Technology Museum and Geographic Information Technology Museum – Pearl Town and the workshop finished off with lots of fun at the farewell dinner, Hi-target Geospatial Gala Night.

I am so pleased that the workshop has delivered the following objectives:

- Build the capacity of professionals to adapt to the changing circumstances;
- Share knowledge about professional standards and practice, challenges and responses by surveying professions and challenges associated with cross border surveying and mapping;
- Link the regional and world structures for surveying professionals that focus on issues around professional standards and practice;
- Support professional surveyors by providing tools and approaches to deal with common practice issues;
- Develop individuals as professional surveyors and provide opportunities for them to continue to develop as part of the surveying community; and
- Promote the current and future role of ethics in surveying.

Lastly, my sincere thanks to the People's Government of Deqing County, China for organising this meaningful event with FIG, Zhejiang Province Society for Geodesy

Photogrammetry and Cartography, The Administration of Huzhou Moganshan High-tech Industry Development Zone, China, and Beijing iSpatial Co., Ltd. as hosts; the Chinese Society for Geodesy, Photogrammetry and Cartography for providing the guidance in organising this workshop, all the distinguished guests and speakers for sharing their expertise, the Steering Committee, Technical Committee, the Local Organising Committee, all the sponsors, helpers and volunteers in making this event a success. My heartfelt thanks for Hans Ni's effort in communicating with me frequently for preparing and organising the workshop.



Technical visits at the Moganshan Town – Geographic Information Technology Museum and Geographic Information Technology Museum – Pearl Town

Workshop website: <http://fig.deqingforum.com>

Coming Events

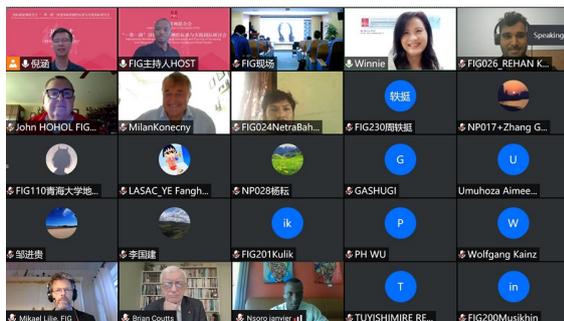
Just a reminder that the programme of FIG annual events in the coming years are as follows:



Speakers at Technical Sessions



2021 eWW - Amsterdam, The Netherlands



*Closing Remarks by Winnie SHIU
Chair of FIG Commission 1*



2022 Congress - Cape Town, South Africa

*2023 WW 27 May – 3 June
Orlando, Florida, United States*

2024 WW – Accra, Ghana



*Farewell Dinner
Hi-target Geospatial Gala Night*

By: Winnie SHIU, Chair, FIG Commission 1