



# Report of ISM Commission 1

Prof. Bian Zhengfu

Chair of Commission 1

Vice President of China University of Mining and Technology

July 7, 2025

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# 1. The mission and structure of ISM Commission 1

Mission: Education, legal issues, web-presentation, history, law.



Chair

Prof. Dr Bian Zhengfu

Vice-president of  
China University of  
Mining and Technology



Co-Chair

Prof. Dr Arkady Shabarov

Director of The Research Center of  
Geomechanics and Mining Problems  
of St. Petersburg Mining University



Co-Chair

(To be confirmed)

Dr Jan Blachowski

Department head at the  
Wroclaw University of  
Science and Technology



Secretary

Prof. Dr Lei Shaogang

Department head at the China  
University of Mining and Technology

# 1. The mission and structure of ISM Commission 1

## 31 Members from 19 institution or University

1. China University of Mining and Technology
2. St. Petersburg Mining University
3. Wroclaw University of Science and Technology
4. RWTH Aachen University
5. Institute of Mine Surveyors of South Africa
6. Australian Institute of Mine Surveyors  
Technical University of Mongolia
7. Mongolian Mine Survey Association
8. Norwegian University of Science and Technology
9. University of Mining and Geology St. Ivan Rilski
10. Liaoning Technical University
11. Shandong University of Science and Technology
12. Henan Polytechnic University
13. VSB - Technical University of Ostrava
14. University of Miskolc
15. University Technology Malaysia
16. AGH University of Krakow
17. University of the Johannesburg
18. Institute of rock mechanics and mine surveying (VNMI)  
Ukrainian Branch
19. University of Glamorgan

### The follow-up policy for member development

- More young members
- To contact the successor of retired members
- To cover more universities that involve in education of mine surveying
- Cooperation with International Higher Education Alliance for Mining, Energy and Environment (AMEE)

## 2. Review of the activities in the past year

### 2.1 Communication with Saint Petersburg Mining University



Centre  
Under the auspices  
of UNESCO



International Competence Centre  
for Mining-Engineering Education  
under the auspices of UNESCO



- CUMT is the only flagship university in China for UNESCO's International Competence Center for Mining Engineering.
- During 2024.10.15-2024.10.21, we sent 3 Colleagues from CUMT to attend the International Forum-Competition of Young Researchers of BRICS Countries "Topical Issues of Rational Use of Natural Resources, Saint Petersburg Mining University

## 2. Review of the activities in the past year

### 2.2 Communication with Tashkent State Technical University



Azimov Shavkat, Vice President of Tashkent State Technical University in Uzbekistan, and his delegation visited China University of Mining and Technology.

- Both sides can learn from each other and carry out practical cooperation, short-term visits, Chinese courses, scientific research cooperation, and other areas, injecting new vitality into the education cooperation between China and Uzbekistan.
- The 20th International Congress for Mine Surveying will be held in Uzbekistan, and both sides have had in-depth discussions on the preparation work for this congress.



## 2. Review of the activities in the past year

### 2.3 Assist in organizing the summer school



Prof. Bian Zhengfu and the attendees of the summer school, from June 23 to July 4, 2025

- It has drawn 44 students from 12 universities, including AGH University of Krakow (Poland), TU Freiberg and RWTH Aachen (Germany), EPF Graduate School of Engineering (France), and institutions in Russia, Australia, Vietnam, Indonesia, Ecuador, and the UK.
- The program blends traditional engineering courses (e.g., mining engineering, rock mechanics) with emerging disciplines (e.g., advanced manufacturing, renewable energy) and Chinese culture and economy modules, offering international students a holistic academic and cultural experience.

## 2. Review of the activities in the past year

### 2.4 The upcoming summer school

2025 International Summer School on "Spatio-temporal Information and Ecological Restoration" at China University of Mining and Technology, Link: <https://cesi.cumt.edu.cn/info/1084/10919.htm>

Date	Activities
August 4 Morning, 2025	Opening Ceremony, and Thematic Lecture
Afternoon, August 4 and Moring, August 5, 2025	Special Lectures (Theme: Spatio-temporal Information)
Afternoon, August 5 and Moring, August 6, 2025	Special Lectures (Theme: Spatio-temporal Intelligence)
Afternoon, August 6 and Moring, August 7, 2025	Special Lectures (Theme: Mine Ecological Restoration)
Afternoon, August 7, 2025	Practical Session: UAV Operation and Spatio-temporal Information Acquisition Technology Training
August 6, 2025	Morning: Visit to Mogan Hill Laboratory and Ecological Restoration Demonstration Projects Afternoon: Closing Ceremony and Results Sharing Session

For students: Tuition and accommodation fees are waived; Student Travel Subsidy: Off-campus students can claim reimbursement for round-trip high-speed rail (second-class seat) tickets upon receipt submission (excluding local transportation); Other expenses are self-funded.



## 2. Review of the activities in the past year

### 2.5 A visit to UNESCO



Prof. Bian Zhengfu lead a delegation to UNESCO Headquarters, Paris, from July 3 to July 4, 2025

- A minutes has been recorded and signed.
- ISM should contact UNESCO to return to the list of NGO-UNESCO
- Discussion of possible future collaboration in the following fields:
  - (1)Earth science, geoscience, the man and the biosphere, natural disaster reduction
  - (2)Open science, capacity building, remote access of scientific resource
  - (3) international engineering-entrepreneurship bootcamp
  - (4)International Decade of Sciences for Sustainable Development, Strategic plan 2024-2033.

### 3. Future work

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- ◆ Update the member list of ISM Commission 1
- ◆ Develop educational activities, textbooks, science policy brief, and international standards for mining surveying
- ◆ Strengthening the connection between mining surveying departments of universities around the world



**Thanks for your attention!**

**Krakow, Poland  
July 8, 2025**