



The 29th SOMP Annual Meeting and Conference on Mines of the Future (SOMP 2018)

Final Programs and Guide

(Subject to change as necessary)

New World Beijing Hotel, Beijing, China

July 3 - 6, 2018

Co-Hosted by



Final Circular

Introduction by the President of SOMP



Professor LI Zhongxue
SOMP President
(2017-2018)

Dear SOMP Members and Colleagues,

With regards to the Society of Mining Professors / Societät der Bergbaukunde (SOMP), it can be said that the evidence clearly demonstrates continual successes in our Society's activities such as well attended annual conferences, proactively engaged regional meetings, ever increasing international collaborative initiatives, rapidly growing membership, significantly upgraded Members system functions, and strengthened promotion for members and programs capacity. This type of international activities, events and progresses of academics and professionals with their shared interest in mining / minerals engineering education and research has been a *raison d'être* of SOMP. I am confident that the 29th SOMP Annual Meeting and Conference

(SOMP 2018) will remain to contribute to the mission, vibrancy, and prosperity of SOMP.

With the year of 2018, we are at a moment when the world is under its new normal in transition toward global sustainability with a slowing down in globalization and a regional resurgence of nationalisms, and the discipline of mining / minerals engineering is impacted and challenged to re-engineer itself for its innovation and adaptation to such a circumstance. To address that question, an ambitious SOMP 2018 annual meeting and conference program has been designed on the theme - mines of the future and next generation of mining professionals in the light of collaborative opportunities and challenges with China's Belt and Road Initiative and Double First-Class Initiative. May I say that this 29th SOMP annual meeting and conference is unique in terms of its time and place and helps bridge the West and East, the developed and developing, and the continual improvement and radical growth.

I hope that researchers, teachers and professionals interested in mining / minerals engineering education and research, coming from all over the world are encouraged to visit Beijing to share the most relevant and current contributions that have emerged around our discipline and area of knowledge. The University of Science and Technology Beijing (USTB), China University of Mining and Technology Beijing (CUMTB), and North China Institute of Science and Technology (NCIST) have jointly supported us with their leadership and resources. The SOMP 2018 Chairman, Co-Chairmen, Organizing Committees, and the operating team of Secretariat are preparing all the details of SOMP 2018 with great care.

From this moment, I am ready to welcome SOMP members and all colleagues to share their concerns and professional aspirations. We want to create an authentic and inclusive teaching and learning communities among all professionals to make it easier to develop and build the capacity of our members, professionals, educational programs, and minerals sustainability.

With kind regards / Mit einem herzlichen Glückauf!

The Society of Mining Professors / Societät der Bergbaukunde

Welcome from the Chairman of SOMP 2018



Professor WU Aixiang
Chairman of SOMP 2018
Vice President of USTB

Dear SOMP 2018 Participants and Friends,

On behalf of the SOMP 2018 Organizing Committees, I am very pleased to invite you to actively take part in the 29th Society of Mining Professors / Societät der Bergbaukunde Annual Meeting and Conference on Mines of the Future to be held in Beijing, China from the 3rd through the 6th of July, 2018.

Under the auspices of the Ministry of Education, China, SOMP 2018 is co-hosted by the University of Science and Technology Beijing, China University of Mining and Technology (Beijing), and North China Institute of Science and Technology.

Following the success of past conferences held all over the world, we are sure that Beijing will be an exciting meeting place for all.

Beijing is the capital of China, noteworthy for its hybrid of tradition and modernity. The city is also remarked for its human richness, solidarity, openness, and varied cultural attractions.

The conference venue is in downtown Beijing, 1.1 km away from the Temple of Heaven, 1.2 km away from Wangfujing (best known shopping and food street for pedestrians only), and 2.5 km away from the Forbidden City with Palace Museum and Tian An Men, the Tiananmen Square, and the National Museum of China. Another impressive and monumental attraction is the Beijing Olympic Park where the National Stadium (Bird's Nest) and the National Aquatics Center (Water Cube) are located and the Games of the XXIX Olympiad were held.

You will be provided with a choice of tour to the Great Wall. Technical tours to a top coal caving longwall mine and a surface coal mine have also been arranged.

The technical program of SOMP 2018 has been envisioned as a shared platform of academic communication, discussion and learning. It brings us the latest advances and perspectives in our mining and minerals engineering research. Meanwhile, recent developments in education philosophy, methodology and tools brought by academics and professionals will also allow us to reflect the hottest issues in educating the next generation of mining / minerals professionals and academics. We will do this through the use of keynote speeches, paper presentations, panel or open discussions, and poster exhibitions which we invite you all to participate in.

We hope that our efforts invested in this diverse and rich agenda result in the achievement of our proposed goals. With that in mind, we have gathered the most prestigious mining, minerals and related professionals from Australia, Canada, China, Colombia, Egypt, Finland, Germany, Greece, Hungary, Indonesia, Italy, Japan, Namibia, Peru, Poland, Romania, Russia, Serbia, South Africa, Spain, Turkey, Ukraine, United States of America, and Vietnam.

We would like to thank you all in advance for your participation and contributions to SOMP 2018 and we are looking forward to meeting you in Beijing, July 2018.

The SOMP 2018 Organizing Committees

Organizing Committees

National steering committee

Aixiang WU, Chair, Professor and Vice President, University of Science and Technology Beijing
Jiachen WANG, Co-Chair, Professor and Vice President, China University of Mining and Technology Beijing
Qingxiang CAI, Co-Chair, Professor and Vice Chancellor, China University of Mining and Technology
Xueqiu HE, Co-Chair, SOMP member and Professor, University of Science and Technology Beijing
Ruixin ZHANG, Co-Chair, Professor and President, North China Institute of Science and Technology

GENG Qiannan, Deputy School Dean, University of Science and Technology Beijing

LI Cuiping, Professor, University of Science and Technology Beijing

LI Yang, Associate Professor and Associate Department Head, China University of Mining and Technology Beijing

LI Zhongxue, SOMP President and Professor, University of Science and Technology Beijing

SUN Enji, SOMP member and Research Scientist, China Academy of Safety Science and Technology

YIN Shenghua, Professor and Associate School Dean, University of Science and Technology Beijing

ZHAO Yiqing, Associate Professor and Associate Department Head, University of Science and Technology Beijing

International committee

AGIOUTANTIS Zach, Professor, University of Kentucky, USA

CARDU Marilena, Associate Professor, Politecnico di Torino, Italy

CEDRÓN Mario, Professor, Catholic University of Peru, Peru

CLAUSEN Elisabeth, Professor, RWTH Aachen University, Germany

HEBBLEWHITE Bruce, Professor, University of New South Wales, Australia

KECOJEVIC Vladislav, Professor, West Virginia University, USA

KRETSCHMANN Jürgen, Professor and President, TH Georg Agricola, Germany

LI Zhongxue, Professor, University of Science and Technology Beijing, China

MEECHUMNA Pinyo, Professor, Chulalongkorn University, Thailand

MITRA Rudrajit, Associate Professor, University of the Witwatersrand, South Africa

MUSIYARIRA Harmony, Associate Professor, Technical University of Namibia, Namibia

RESTREPO BAENA Oscar Jaime, Professor, Universidad Nacional de Colombia, Colombia

SARVER Emily, Associate Professor, Virginia Polytechnic Institute and State University, USA

SAYDAM Serkan, Professor, University of New South Wales, Australia

Conference Secretariat

ZHAO Yiqing, Secretary-General

Jiajie LI, PhD, Deputy Secretary-General, University of Science and Technology Beijing

Zhixin ZHEN, Doctoral Candidate, University of Science and Technology Beijing

Congcong CHEN, Doctoral Candidate, University of Science and Technology Beijing

Dong GAO, Doctoral Candidate, University of Science and Technology Beijing

Conference Language

English

Conference Contact

Prof. Zhongxue LI, President of SOMP, mobile: +86 139 1076 1199, email: zxli@ustb.edu.cn

Dr. Jiajie LI, Deputy Secretary-General of SOMP 2018, mobile: +86 138 1075 7920, email: somp2018@ustb.edu.cn

Venue and Event Contact

New World Beijing Hotel

8 Qinian Street, Chongwenmen, Dongcheng District, Beijing 100062, China

<https://beijing.newworldhotels.com/en>

Events Manager: Ms. Zdanca YAN, phone: +86 10 5960 8888 ext 8976, mobile: +86 180 0138 8183

Emergency by Venue Hotel Room Phone

Metropolitan Police: 9 110

Metropolitan Fire Service: 9 119

Metropolitan Ambulance: 9 120

Red Cross Ambulance: 9 999

Directory Assistance by Venue Hotel Room Phone

9 114

Airport Transportation to / from Venue

Beijing Capital International Airport / BCIA (T3) is about 30 km away from the venue hotel.

The best way is by taxi and it takes 40-50 min one way under normal driving conditions during daytime. The fare is about CNY80-100 (equivalent to US\$13-16) also depending upon traffic conditions and 20% more during night from 23:00pm to 5:00am.

Subway line is available with one or two transfers and 5 to 10 min walking distance to the hotel. You may visit <http://en.bcia.com.cn> for more information.

Climate and Dress Code

Temperatures in Beijing in early July range from 20 degrees Celsius low at night to 32 degrees high during daytime. Meeting and conference rooms are mildly air-conditioned.

The recommended meeting and conference attire is business casual, or suites and ties for the men and dresses for the ladies.

Suites and ties or dresses are highly appreciated at the Awards dinner on July 5.

Tea, Café and Bar

Leisure tea, coffee and bar services are available at charge in the venue hotel.

YIN on 12 gets its name from the traditional Chinese chop, and gets its number from the rooftop perch on Level 12 that offers panoramic views of the capital from inside the bar and on the outside deck. The large amber-like chop and oversized calligraphy brushes at the entrance represent the ancient imperial signatures of kings - so expect to be treated royally when you step inside. With music spun by in-house DJs and soft rock played by local bands, YIN on 12 is a one-of-a-kind setting for sundowners, cocktails, and late-night early-morning drinks. Open from 5 p.m. to 2 a.m. daily.

TANG is located adjacently to the Hotel Lobby. It is said that the aroma of freshly brewed tea may be all the directions you need to find to TANG. The nine-meter high granite water feature will catch your attention and lead you to TANG too. TANG sources Chinese teas from the renowned tea provinces of China, Western teas from classic tea-producing regions, and fine wines and champagnes from around the world - so there's always something to celebrate here. Afternoon tea is served, there are snacks at all hours and cocktails in the evening. Open from 8 a.m. to 11 p.m. daily.

Currency

Hotel room and service charges can be paid in cash of the Chinese currency or by credit card of international brands, such as American Express, MasterCard, Visa, JCB or UnionPay.

Currency exchange service is available at the venue hotel reception desk with the exchange rate of the state-owned Industrial and Commercial Bank of China.

Late or Onsite Registration

Late or onsite registration is limited by availability, and registration/tour fee payment, if any, must be **in cash of the Chinese currency only** (to the University of Science and Technology Beijing) at the late rate of CNY5000 or CNY3480 (equivalent to US\$790 or US\$550 respectively), depending on your registration category as shown in the SOMP 2018 Circulars or Registration Form.

Hints and Tips

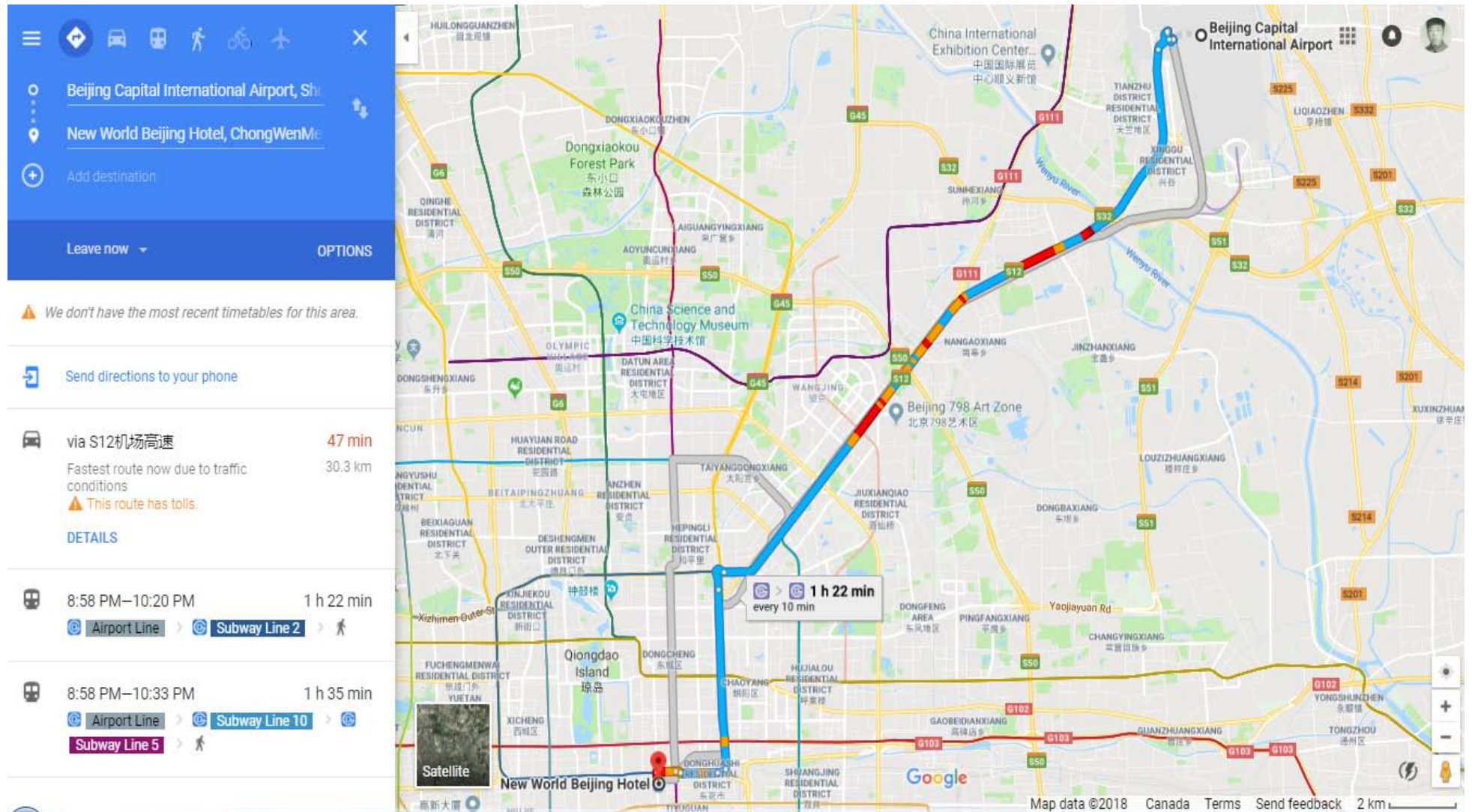
- (1) Pick up your registration package as the primary registrant at the Registration and Help Desk and inspect the package items with the check list in it.
- (2) Be ready **on time** to attend as audience, chair your session, present your paper or give your speech, and **keep your presentation or speech within the time limit**.
- (3) Make sure that your cell phone won't ring or beep while in conference or dining rooms.
- (4) Put on your name tag as pass always while meeting and show it (with voucher for July 3 reception and July 5 awards dinner) at dining room entrance to enjoy your meal.
- (5) The venue hotel charges for car parking at CNY10.00/hour (equivalent to US\$2.00/hour).

Conference venue location in Beijing

第29届国际矿业教授学会学术年会地理位置图 SOMP 2018 Annual Meeting Venue Map



Transportation between Airport and Venue



Airport Express Railway and City Subway Lines

第29届国际矿业教授学会学术年会地铁线路图
SOMP 2018 Annual Meeting Venue Subway Lines (Not to Scale)

北京地铁线路图 Beijing Subway Map

图例:
Legend

- | | |
|--------|--------|
| 地铁1号线 | 地铁2号线 |
| 地铁八通线 | 地铁5号线 |
| 地铁4号线 | 地铁7号线 |
| 地铁大兴线 | 地铁9号线 |
| 地铁6号线 | 地铁13号线 |
| 地铁8号线 | 地铁15号线 |
| 地铁10号线 | 地铁房山线 |
| 地铁14号线 | 地铁昌平线 |
| 地铁亦庄线 | 机场线 |



换乘站

1 北京首都国际机场
Beijing Capital International Airport

2 新世界北京酒店
New World Beijing Hotel

3 北京科技大学
University of Science and Technology Beijing

4 中国矿业大学 (北京)
China University of Mining & Technology (Beijing)

5 颐和园 (Yi He Yuan)
Summer Palace

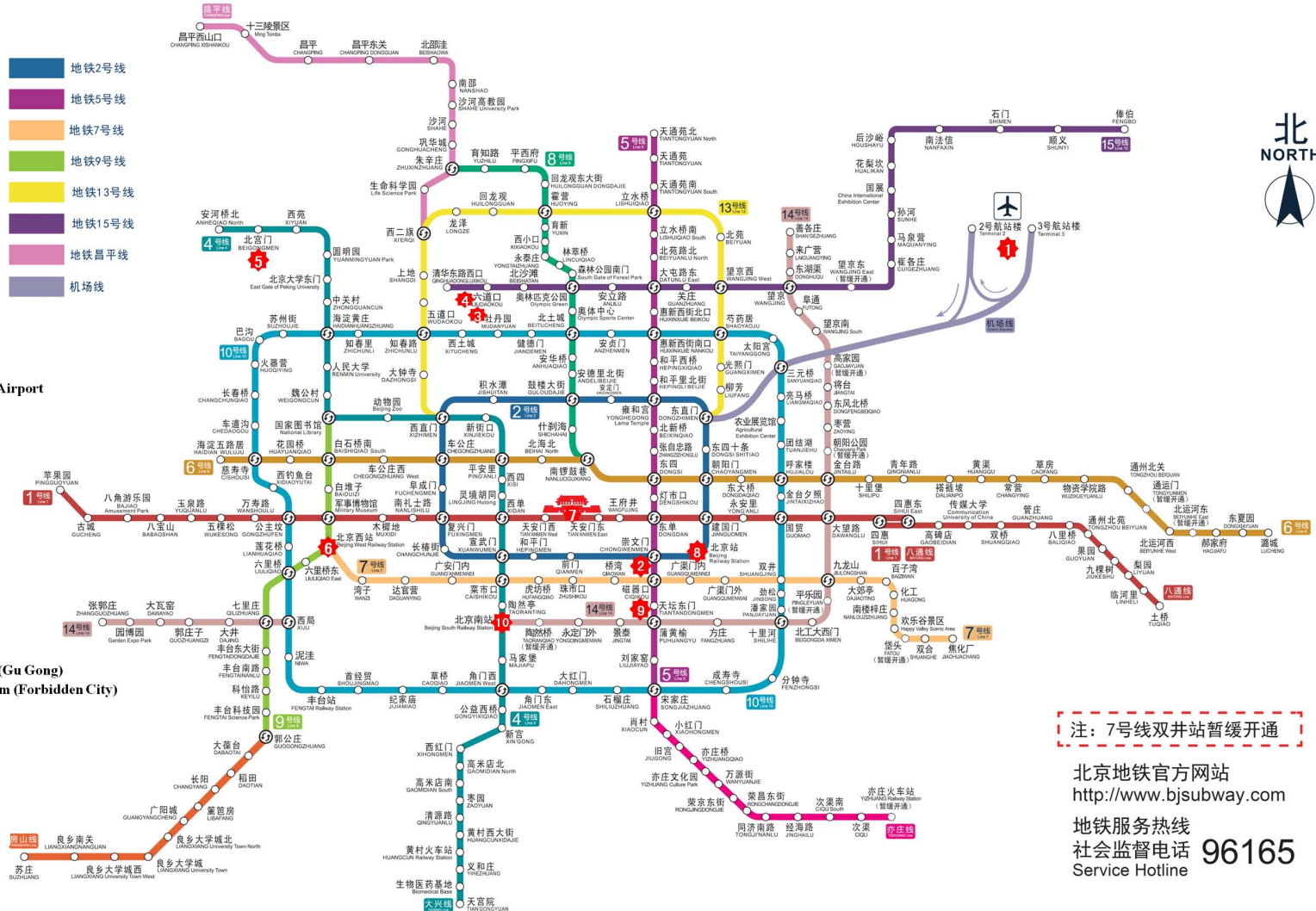
6 北京西站 (Beijing Xi Zhan)
Beijing West Railway Station

7 天安门 (Tian An Men) 与故宫 (Gu Gong)
Tiananmen and Palace Museum (Forbidden City)

8 北京站 (Beijing Zhan)
Beijing Railway Station

9 天坛 (Tian Tan)
Temple of Heaven

10 北京南站 (Beijing Nan Zhan)
Beijing South Railway Station



注: 7号线双井站暂缓开通

北京地铁官方网站
<http://www.bjsubway.com>
地铁服务热线
社会监督电话 96165
Service Hotline

Conference Program (Final but subject to change as necessary)

Day 1 Tuesday, July 3, 2018			
12:30-20:30	-	Registration and help desk	Ballroom Foyer on Level 2
13:00-15:00	-	Council meeting	Board room on Level 2
15:00-17:00	-	Education Committee meeting	Board room on Level 2
	-	R&D and Industry Committee meeting	Gallery 206 on Level 2
	-	Members Development Committee meeting	Gallery 204 on Level 2
	-	Capacity Building Committee meeting	Gallery 205 on Level 2
19:00-21:00	-	Reception by NCIST President and CUMTB Professor Ruixin Zhang (with name tag and voucher)	Terrace on Level 10
Day 2 Wednesday, July 4, 2018			
07:30-08:30	-	Registration and help desk	Ballroom Foyer on Level 2
Session	I	Opening, welcome and keynote speeches, chairing by Qingxiang Cai, Vice Chancellor of CUMT	Ballroom 1 on Level 2
08:30-08:35	I-1	Introduction and appreciation by President of SOMP	
08:35-08:40	I-2	Welcome speech from Chairman of SOMP 2018 and Vice President of USTB	
08:40-09:05	I-3	Invited keynote speech – Opportunities and challenges of hard rock mining education by Aixiang Wu	
09:05-09:30	I-4	Invited keynote speech –The digital mine of the future by Frederick Cawood	
09:30-09:55	I-5	Invited keynote speech – The coal scientific mining by Jiachen Wang	
09:55-10:25	-	Coffee / tea break and networking	Ballroom Foyer on Level 2
Session	II	SOMP business session, chairing and leading by Bruce Hebblewhite	Ballroom 1 on Level 2
10:25-12:00	-	SOMP Annual General Meeting	
12:00-13:15	-	Buffet lunch (with name tag)	Ballroom 2 on Level 2
Session	III	Education 1 – Program reengineering and teaching innovations for the young generation of mining engineers, chairing by Rudra Mitra and Li Liu	Ballroom 1 on Level 2
13:30-13:55	III-1	Keynote paper presentation – Challenges and opportunities of higher education for international mining engineers: Based on the practice at Chongqing University by Li Liu	
13:55-14:10	III-2	Keynote paper presentation – Curriculum review process at the School of Mining Engineering at the University of the Witwatersrand by Rudra Mitra	
14:10-14:25	III-3	Paper presentation – Earth resource management, a new graduate degree at the University of Utah by Michael Nelson	
14:25-14:40	III-4	Paper presentation – Zijin Mode: Industry and education deep integration in mining engineering education by Weiran Zuo	
14:40-14:55	III-5	Paper presentation – Using Virtual Reality to enhance mineral processing education by Seher Ata	
15:00-15:30	-	Coffee / tea break and networking	Ballroom Foyer on Level 2

Session	IV	Education 2 – Special topics and open discussions, chairing by Rudra Mitra	Ballroom 1 on Level 2
15:30-15:45	IV-1	Update on "Mines of the future – education" by Bruce Hebblewhite	
15:45-16:00	IV-2	Update on Education Committee – Future education program by R Weber Youngman	
16:00-16:15	IV-3	Update on Education Committee – Sustainable practices by Michael Hitch	
16:15-16:30	IV-4	Future education special topic and discussions – New master course module: Mine emergency response and rescue school –MINERS by Helmut Mischo	
16:30-16:45	IV-5	Future education special topic and discussions – Enhancement of mining heritage to improve the future of mining engineering education by Domingo J Carvajal	
16:45-17:00	IV-6	Future education special topic and discussions – A preliminary overview of collaborations between Australia and China in mining education and research by Chengguo Zhang	
17:00-17:15	IV-7	Open discussions	
-	-	Free night: Shopping and eating at Wangfujing Street – the best known and splendid pedestrian plaza in Beijing	1.2 km away from venue
Day 3 Thursday, July 5, 2018			
07:30-08:30	-	Registration and help desk	Ballroom Foyer on Level 2
Session	V	Education 3 – The Tim Shaw Award lecture by young professional and panel discussions, chairing and convening by Rudra Mitra	Ballroom 1 on Level 2
08:30-09:10	V-1	The Tim Shaw Award lecture	
09:10-10:00	V-2	Innovative teaching workshop: Tools and techniques - How best do students learn	
10:00-10:30	-	Coffee / tea break and networking	Ballroom Foyer on Level 2
Session	VI	R&D and Industry 1 – Mining systems, mine safety, community, and mineral resource utilization, chairing by Serkan Saydam and Shuren Wang	Ballroom 1 on Level 2
10:30-10:45	VI-1	Paper presentation – Simultaneous stochastic optimization of mining complexes / mineral value chains by Roussos Dimitrakopoulos	
10:45-11:00	VI-2	Paper presentation – Safety: A business imperative by Kobus de Jager	
11:00-11:15	VI-3	Paper presentation – Social dimensions for successful development of mining projects – A focus on Artisanal and Small-scale Mining by Oscar Jaime Restrepo Baena	
11:15-11:30	VI-4	Paper presentation – Mining of the Waterberg - A unique deposit requiring innovative solutions by Chabedi Kelello	
11:30-11:45	VI-5	Paper presentation – The Potentials of scientific and industrial collaborations in the field of REE through China's Belt and Road Initiative by George Barakos	
12:00-13:15	-	Buffet lunch (with name tag)	Ballroom 2 on Level 2
Session	VII	R&D and Industry 2 – Innovative and special topics, chairing by Serkan Saydam and Weiran Zuo	Ballroom 1 on Level 2
13:30-13:45	VII-1	Paper presentation – Hazards detection system based on 3D panorama for tailings dam in mining by Enji Sun	
13:45-14:00	VII-2	Paper presentation – Smart sensing for mineral exploration through to mine closure by Simit Raval	
14:00-14:15	VII-3	Paper presentation – Application of aeromagnetic, remote sensing and geological data in the delineation of the geological structures associated with the hot springs by T Zvarivadza	
14:15-14:30	VII-4	Paper presentation – Investigation of effects of nanobubbles on phosphate ore flotation by Dongping Tao	
14:30-14:45	VII-5	Special topics – A solution to grand challenges in mining: The International Research Alliance on Coal Mining by Ismet Canbulat	
15:00-15:30	-	Coffee / tea break and networking; Poster presentations and discussions by M Cardu, E Clausen, K Hu, A Richins, F Sengani, F Wang, and Y Wang	Ballroom Foyer on Level 2
Session	VIII	R&D and Industry 3 – Special topics and panel / open discussions, chairing and convening by Serkan Saydam	Ballroom 1 on Level 2
15:30-15:45	VIII-1	Special topics – Making industry-university research collaboration successful by S Saydam	
15:45-16:00	VIII-2	Special topics – Fostering innovation through collaborative research by E Clausen	
16:00-17:00	VIII-3	Panel / open discussions – Industry-university collaboration and collaboration with emerging economies by I Canbulat, E Clausen, Dongsheng Zhang, et al with moderator S Saydam	
19:00-21:30	-	Awards dinner (with name tag and voucher)	Ballroom 2 on Level 2

Day 4 Friday, July 6, 2018			
07:30-08:30	-	Registration and help desk	Ballroom Foyer on Level 2
Session	IX	Members Development, chairing and convening by Elisabeth Clausen and Simit Raval	Ballroom 1 on Level 2
08:30-08:35	IX-1	Opening remarks by Elisabeth Clausen	
08:35-08:50	IX-2	Paper presentation – Changing the culture and attitude: Supporting women studying mining engineering by Andrea Brickey	
08:50-09:20	IX-3	Panel discussions – Perspectives on faculty diversity by Andrea Brickey, Jiajie Li, Simit Raval, et al with moderator Elisabeth Clausen	
09:20-09:40	IX-4	Open discussions – Searching for best practice: What’s going on at your institution with facilitators Elisabeth Clausen and Simit Raval	
09:40-10:00	-	Coffee / tea break and networking	Ballroom Foyer on Level 2
Session	X	Capacity Building, chairing and convening by Harmony Musiyarira	Ballroom 1 on Level 2
10:00-10:25	X-1	Keynote speech: Overview of capacity building initiatives and lessons learnt from 2010 to date by David Laurence / Jürgen Kretschmann	
10:25-10:40	X-2	Paper presentation – Cooperative program for resources engineering between Kyushu University & Hokkaido University, JAPAN: International field exercise by Takashi Sasaoka	
10:40-10:55	X-3	Paper presentation – Capacity building initiatives in minerals education in Southern Africa: Opportunities for collaboration by Harmony Musiyarira	
10:55-11:30	X-4	Open discussions – Capacity building initiatives and strategies through collaboration P Hagan, G Barakos, N Nga, J Soto, H Mischo, et al with facilitator Harmony Musiyarira	
11:30-11:50	X-5	Overview or preview of SOMP regional meetings in 2018 (5 min each)	
Session	XI	Closing – Secretary-General changeover (8 min); welcome from Bochum (6 min); flag handover	
12:05-13:15	-	Farewell lunch (with name tag)	Yin Bar on Level 12
13:30-17:30	-	Tour to Tian An Men with group photo taking, and Palace Museum (with photo ID for security check to enter the Square, and for collecting your Museum ticket)	Starting off the hotel lobby

Accompanying Person Program

Day 1 Tuesday, July 3, 2018			
12:30-18:00	-	Registration and help desk	Hotel Lobby
19:00-21:00	-	Reception by NCIST President and CUMTB Professor Ruixin Zhang (with name tag and voucher)	Terrace on Level 10
Day 2 Wednesday, July 4, 2018			
07:30-08:30	-	Registration and help desk	Ballroom Foyer on Level 2
09:30-15:00	-	Tour to Summer Palace with lunch	Starting off hotel lobby
-	-	Free night: Shopping and eating at Wangfujing Street – the best known and splendid pedestrian plaza in Beijing	1.2 km away from venue
Day 3 Thursday, July 5, 2018			
07:30-08:30	-	Registration and help desk	Ballroom Foyer on Level 2
09:30-14:00	-	Tour to Temple of Heaven with lunch	Starting off the hotel lobby
19:00-21:30	-	Awards dinner (with name tag and voucher)	Ballroom 2 on Level 2
Day 4 Friday, July 6, 2018			
07:30-08:30	-	Registration and help desk	Ballroom Foyer on Level 2
12:05-13:15	-	Farewell lunch (with name tag)	Yin Bar on Level 12
13:30-17:30	-	Tour to Tian An Men with group photo taking, and Palace Museum (with photo ID for security check to enter the Square, and for collecting your Museum ticket)	Starting off the hotel lobby

Post-Conference Tours and Schedules

The arrangements for post-conference tours have been made.

July 7 will be allocated to the cultural tour to the Great Wall which is about 80 km away from the venue hotel. The tour takes a short day, starting off the venue hotel at **8:30** in the morning and ending at the venue hotel not later than 16:00 in the afternoon with normal traffic.

The technical tour includes both an underground coal mine with a top coal caving longwall system in the city of Datong in Shanxi province, and the Antaibao open pit coal mine in the city of Shuozhou also in Shanxi province which was originally operated by the American Occidental Petroleum. The tour takes two long days, starting off the venue hotel at **7:15** in the morning of July 8, lodging in Shuozhou for the night of July 8, and ending at the venue hotel in the late evening or night up to 21:00, July 9.

A free bus ride will be provided for those mine tourists who are scheduled to go airport in the late evening of July 9, and the bus will start off the venue hotel soon after the mine tour is ended at the venue hotel. Others may also schedule to take the free bus ride to airport.

Presentation in Poster

Several full papers have been accepted for presentation in poster, and all authors with an accepted abstract only are also encouraged to present their subject in poster.

Posters are free formatted but a poster should be one-sided (written on one side only) with its size or dimensions of 80 cm wide by up to 180 cm high. A maximum of one poster for each author is recommended, though a second poster can be accommodated on the other side or back side of the portable and vertically positioned poster holder.

The posters can be set up as early as afternoon on July 3 until morning on July 6, though poster discussions are particularly scheduled at the afternoon coffee / tea break time on Day 3, Thursday, July 5 when the poster authors should be attending for presentation.

An author who is prepared to present in poster should inform us in advance by not later than June 5 so that a poster stand / holder will be provided and dedicated to your poster presentation.

Supplement in Chinese

For facilitating domestic registrants in China to meet the requirements of relevant policies, rules and norms, two official documents in Chinese with USTB stamp are added to this Circular, including the official invitation letter and the official announcement for conference and call for papers which is also available for downloading at <http://www.ustb.edu.cn/tzgg/2693578.htm> on the USTB official website.



Summer Palace with Longevity Hill (upper left) and Long Corridor (upper right)



Temple of Heaven



Forbidden City with Palace Museum (upper) and Tian An Men Tower (lower)



Great Wall



Top Coal Caving Longwall support (left) and Antaibao coal mine (right)

北京科技大学

第 29 届国际矿业教授学会学术年会暨未来矿山国际论坛

邀请函

_____:

经国家教育部同意，由北京科技大学联合中国矿业大学（北京）和华北科技学院共同主办的“第29届国际矿业教授学会学术年会暨未来矿山国际论坛”（SOMP 2018）定于2018年7月3日至6日在北京召开。

本次会议的主题是：“双一流”建设和“一带一路”倡议形势下矿业工程教育的机遇与挑战。

会议主办单位和组委会诚邀贵校/院/系安排1或2名代表，围绕以下议题不吝赐稿、参会报告、莅临指导：

- 面向未来矿产资源开发利用全球化的矿业工程教育与教学；
- 适应可持续发展的矿产资源及原材料开发利用新技术；
- 响应“一带一路”倡议的学科与能力建设、国际化及挑战；
- 推进“双一流”建设及其影响下的师资与人才需求及培养。

有关会议语言、日期及日程、地点及住宿、征文及截止日期、会务费、报名注册、会务联络等事宜，请见附件。



附件一：关于召开第29届国际矿业教授学会学术年会暨未来矿山国际论坛的第一轮通知
附件二：[会议“第一轮通知”英文版](#)（*First Circular*）

北京科技大学

关于召开“第29届国际矿业教授学会学术年会 暨未来矿山国际论坛”的第一轮通知

(公告与征文)

各有关单位:

经国家教育部同意,由北京科技大学联合中国矿业大学(北京)和华北科技学院共同主办的“第29届国际矿业教授学会学术年会暨未来矿山国际论坛”(SOMP 2018)定于2018年7月3日至6日在北京召开。

SOMP学术会议是一个在国际矿业工程学术界具有较为广泛影响的国际性系列学术会议,其主要目标是借助于“国际矿业教授学会”(Society of Mining Professors, SOMP, <http://www.miningprofs.org>) 学术交流平台及相关学术活动,促进全球矿产资源的可持续开发利用。

该系列学术会议自1990年在奥地利莱奥本发起以来,已在澳大利亚、奥地利、爱沙尼亚、芬兰、德国、希腊、匈牙利、意大利、荷兰、秘鲁、波兰、罗马尼亚、俄罗斯、塞尔维亚、斯洛伐克、斯洛文尼亚、南非、瑞典、土耳其、英国、美国等21个国家或地区,分别由新南威尔士大学、莱奥本矿业大学、亚琛大学、克劳斯塔大学、弗莱堡矿业大学、赫尔辛基理工大学、代尔夫特理工大学、弗罗茨瓦夫理工大学、莫斯科国立矿业大学、比勒陀利亚大学、金山大学、律勒欧理工大学、帝国理工学院、西弗吉尼亚大学、弗吉尼亚理工及州立大学等矿业相关院校举办了28次。

本次会议SOMP 2018是SOMP系列会议首次在亚洲及中国举行。该区域新经济发展迅速，矿产资源开发利用规模大、增速高，相关矿业工程高等教育及科研合作与交流活跃，特别是我国教育部“双一流”建设和国家“一带一路”倡议，为矿业工程高等教育的国际交流、合作及国际化开创了新的机遇。为了促进矿业工程高等教育教学、科学研究、师资及人才培养、学科及能力建设等适应国内外形势发展的需要，SOMP 2018的会议主题确定为：“双一流”建设和“一带一路”倡议形势下矿业工程教育的机遇与挑战。

会议组委会诚邀我国矿业工程学术界同行和关注矿业工程学科发展的相关政府部门、矿产行业、科研院所等相关领域的专家、学者踊跃投稿，着眼于全球经济社会发展转型及新常态趋势，结合我国教育部“双一流”建设和国家“一带一路”倡议的实践，探讨和交流未来矿产资源可持续开发利用的科学技术研究、高等教育教学、师资及人才培养、学科及能力建设等方面的新问题、新方向、新途径、新机制、新手段。

会议有关事项的初步安排如下：

一、会议语言

会议面向具备英文、英语交流条件的学者，预期有来自全球五大洲的百余名学者参会，会议语言及文字包括论文摘要、论文全文、论文展示、论文报告、口头交流、会议程序资料等，全部采用英文、英语。

二、会议日期及日程

会议会期定于2018年7月3日至6日。其中，7月3日下午报到，7月4日至6日开会，7月7日离会。

会议英文版“第一轮通知”(*First Circular*)业已同时发布，包括会议日程的框架安排，详见SOMP官方网站<http://www.miningprofs.org>。

三、会议地点及住宿

会议会址是北京新世界酒店，地址：北京东城区崇文门祈年大街8号，电话：010-5960 8888转8976，或手机联系人：闫贝琳 180 0138 8183。

食宿统一安排，费用由参会人或其单位自理。有关会期住宿客房预订等事项，将由《第二轮通知（日程）》予以公告。

会议报到、参会、离会等，不安排接送，参会人自行安排往返。

四、会议主题、议题及征文

会议主题是：“双一流”建设和“一带一路”倡议形势下矿业工程教育的机遇与挑战。

征文议题包括：

- 面向未来矿产资源开发利用全球化的矿业工程教育与教学；
- 适应可持续发展的矿产资源及原材料开发利用新技术；
- 响应“一带一路”倡议的学科与能力建设、国际化及挑战；
- 推进“双一流”建设及其影响下的师资与人才需求及培养。

征文相关的截止日期如下：

- 2018年1月10日：英文摘要截止日；
- 2018年2月5日：英文摘要录用通知；
- 2018年3月30日：英文全文截止日，发布会议的《第二轮通知（日程）》；
- 2018年4月27日：英文全文录用、论文展示、大会报告通知。

论文摘要与全文均予安排同行评审；通过评审、录用发表的论文（分为报告或展示等两种形式）作者均须注册参会并报告或展示论文。会议将编辑论文全文的电子版论文集，作为会议资料发放，并将推荐相关期刊选择录用。

五、会务费

(1) 会议注册费（会务费）的收款及发票单位为北京科技大学，具体办法将由《第二轮通知（日程）》予以公告。

(2) 三天完整注册费（包括资料费、会务费等，不含住宿费、考察费等）的标准因注册日期不同而异。境内参会人注册费比境外优惠约25%，具体如下：

- 2018年4月20日之前：提前注册为人民币3300元；
- 2018年5月20日之前：正常注册为人民币3600元；
- 2018年5月21日之后：迟到注册为人民币3900元。

年龄不超过30周岁的境内教师、博士后或研究生的注册费可在上述相关标准基础上进一步优惠约25%（即注册费分别为人民币2500，或2700，或2900元，但不含晚会费用）。

境内注册参会人的随员费率与境外随员费率大致相当，为人民币1900元。

注册费含相关税费，但不包括银行汇款等支付交易手续费。

由于会议场所的接待能力所限，一旦额满，则不再受理迟到注册。

六、会议报名注册

具体办法将由《第二轮通知（日程）》予以公告。

七、会务联络

第29届“国际矿业教授学会”学术年会暨未来矿山国际论坛（SOMP 2018）秘书处，电话：010-6233 3454, 139 1076 1199，电子邮箱：somp2018@ustb.edu.cn，并抄送zxli@ustb.edu.cn。

手机联系人：会议组委会秘书长赵怡晴副教授 185 0022 5299，执行秘书长李佳洁博士 138 1075 7920。

