

## 2<sup>nd</sup> International Symposium on In-situ Modification of Deposit

### Properties for Improving Mining (IMDPIM2) &

## 7<sup>th</sup> International Symposium on Unconventional Geomechanics (UG7)

--- 3<sup>rd</sup> conference announcement---



### Conference overview:

In-situ Modification of Deposit Properties for Improving Mining (IMDPIM) is aimed at accomplishing the targets of safe, efficient and green mining of underground mineral resources such as coal, salt mine, oil shale, nonferrous metal ore and radioactive mineral resources and other resources and energy via modifying physical and/or chemical properties of these deposits by in-situ technology of injecting heat, gas, fluid into deposits, by fracking and slotting. The theme of International Symposium on IMDPIM is "Present Situation and Development of Theory and Technology of In-situ Modification of Deposit Properties for Improving Mining", and explores the application of in-situ modified mining theory and technology in geo-energy exploitation. The symposium will bring domestic and foreign

researchers who lead the field of earth energy and resource development together to exchange and share new insights and results in the research of earth resources and energy extraction theory and technology. The first International Symposium on IMDPIM was held on Sep.18<sup>th</sup>–20<sup>th</sup>, 2018 in Taiyuan, Shanxi, China.

Unconventional geomechanics has been widely applied in the extraction of coalbed methane, shale gas, tight gas and safe mining of high gas coal seams, in the CO<sub>2</sub> geological storage and geothermal energy exploitation. Researches on Unconventional geomechanics are of great significance to promote China's technological level of exploring and mining of oil and gas. Unconventional Geomechanics Symposium (UG) aims to promote innovation through exchanging idea and achievement among different disciplines related to unconventional resource extraction, and to solve the dilemma of unconventional resource extraction through theoretical innovation and multidisciplinary cooperation. Unconventional Geomechanics Symposium has been held 6 times since 2014.

IMDPIM2 and UG7 will be jointly held in Taiyuan, Shanxi, from 7<sup>th</sup> to 8<sup>th</sup> November, 2020.

The symposium will invite international famous experts in the fields of IMDPIM and UG as keynote speakers. The symposium will also launch different sessions to discuss the related hot topics.

The symposium will be organized by Taiyuan University of Technology and co-organized by Key Laboratory of In-situ Property-improving Mining of Ministry of Education, Key Laboratory of Safe and Efficient Mining of Mineral Resources of Shanxi Province, Research and Development Branch of State Center for Oil Shale Exploitation by In-situ Steam Injection, Resource and Environment Committee of National Science and Technology Innovation Leading Personnel Alliance and Shanxi Society of Rock Mechanics and Rock Engineering.

We sincerely invite you to share your research achievements with your colleagues and to promote innovations of research.

## **Topics of major interest:**

- (1) Theory and experiments of porous media evolution in rock mass and multiphase flow law coupled by THMC effect;
- (2) In-situ mining technology, theory and experiments of coalbed methane, shale gas, oil shale, gas hydrate and other oil and gas resources;
- (3) Technology, theory and experiments of clean in-situ fluidized mining coal;
- (4) Theory and technology of constructing HDR artificial reservoir;
- (5) Theory and technology of solution mining salt deposit and oil and gas storage;
- (6) Technology, theory and experiments of in-situ modified mining nonferrous metal ore and radioactive mineral resources;
- (7) Fracking and induced seismicity in mining unconventional resources;
- (8) Coupled multiphysics in deep unconventional resource exploitation, coordinated exploitation of intergrown resources and gas outburst in deep coal mines;
- (9) Coupled multiphysics in the development and utilization of deep underground space;
- (10) Geomechanics issues in intelligent mining.

**Sponsor:** Taiyuan University of Technology

## **Organizers:**

Key Laboratory of In-situ Property-improving Mining of Ministry of Education

Key Laboratory of Safe and Efficient Mining of Mineral Resources of Shanxi Province

Research and Development Branch of State Center for Oil Shale Exploitation by In-situ Steam Injection

Resource and Environment Committee of National Science and Technology Innovation Leading Personnel Alliance

Shanxi Society of Rock Mechanics and Rock Engineering

## **Time and Location:**

**Symposium Time:** November 7<sup>th</sup>-8<sup>th</sup>, 2020

**Registration beginning time:** November 6<sup>th</sup>, 2020

**Location:** Bingzhou Hotel, Taiyuan, Shanxi, China

## Academic Committee:

**Director:** Patrick Selvadurai, Yang-sheng Zhao

**Members:** (Alphabetical order of surname)

Stephane Bordas	Emmanuel Detournay	Maurice Dusseault	Derek Elsworth
Yun-tian Feng	Sidney Green	Satya Harpalani	Jian-hua Li
Praveen Linga	Shi-min Liu	Shu-qin Liu	Sukru Merey
Zhe-jun Pan	P.G. Ranjith	Kyuro Sasaki	Michael Urynowicz
Mo-ran Wang	Shun-de Yin	Zhi-en Zhang	Yi-xin Zhao

## Organizing Committee:

**Chairman:** Wei-guo Liang, Ji-shan Liu

**Vice Chairman:** Zeng-chao Feng

**Members:** (Alphabetical order of surname)

Ting-ting Cai	Meng-tao Cao	Hong-guang Guo	Yao-qing Hu
Yu-long Jiang	Zhi-qin Kang	Hao Li	Jian-zhong Li
Wen-da Li	Yuan-xing Li	Hao-jie Lian	Zheng-he Liu
Yang Lu	Zhao-xing Lv	Jian-meì Wang	Yi Wang
Peng-fei Wu	Bao-ping Xi	Su-guo Xu	Dong Yang
Xiao-qing Yang	Yan-meì Yu	Sheng-li Zhang	Dong Zhao
Guo-zhen Zhao	Jian-chang Zhao	Jian-zhong Zhao	Jing Zhao
Dong Zhou			

**Secretariat:**

Zi-jun Feng 15135140825 Zhi-gang Li 15234188639 Pei-hua Jin 15103469608

Lei Wang 18734868692 Yu-long Jiang 13485368423

## Part of Keynote Lectures: (Alphabetical order of surname) **(KEEP UPDATING!!!)**

Speaker	Title of the lecture
<b>Maurice Dusseault</b> University of Waterloo	Title to be decided
<b>Derek Elsworth</b> Pennsylvania State University	Triggered seismicity and permeability evolution in faulted and fractured reservoirs
<b>Yuntian Feng</b> Swansea University	Title to be decided

<b>Praveen Linga</b> National University of Singapore	Title to be decided
<b>Jishan Liu</b> The University of Western Australia	Permeability Map for Low Permeable Rocks
<b>Shimin Liu</b> Pennsylvania State University	Title to be decided
<b>Sukru Merey</b> Batman University	Does the horizontal well technology provide feasible and safe gas production from methane hydrates?
<b>Zhejun Pan</b> CSIRO, Australia	The effect of water content on gas flow in shales
<b>Kyuro Sasaki</b> Kyushu University	Title to be decided
<b>Patrick Selvadurai</b> McGill University	Multi-phasic Approaches in Geomechanics
<b>Shunde Yin</b> University of Wyoming	In-situ Stress and Geomechanical Characterization from Deep Borehole Data

### **Preliminary Program:**

<b>Date &amp; Time</b>		<b>Agenda</b>	<b>Location</b>
Nov. 6 <sup>th</sup>	7:30-21:30	Registration	Bingzhou Hotel
Nov. 7 <sup>th</sup>	7:30-10:30	Registration	Bingzhou Hotel
	8:30-12:00	Opening ceremony & Invited talks	Bingzhou Hotel
	14:30-18:30	Invited talks & Oral presentations	Bingzhou Hotel
Nov. 8 <sup>th</sup>	8:30-12:00	Oral presentations	Bingzhou Hotel
	14:30-18:30	Oral presentations & Closing ceremony	Bingzhou Hotel

### **Symposium form and language:**

- All invited experts abroad participate in the on-line meeting, while all invited domestic experts report offline.
- The symposium adopts offline form only.
- English is priority recommendation for conference communication.

### **Registration Fee:**

2400 CNY per person. 1200 CNY per person for students (Student photo ID needed).

Note: Above fee does not include hotel expense. Invoice will be issued by the hotel in the form of conference fee.

### Contact Information:

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### Accommodation and transportation route:

#### 1. Conference Hotel

Hotel	Room type	Price
Bingzhou Hotel	Standard Room	350 CNY per night
	Queen Room	

Note: organization committee may make appropriate adjustments according to the hotel room reservation.

Hotel location: No.118 Yingze Street, Taiyuan, Shanxi, China

Hotel Tel.: 0351-8821188

#### 2. Transportation Route

##### ● Taiyuan Wusu airport to hotel

Take taxi to the Bingzhou Hotel (about 30 minutes, 60 CNY), or take the airport bus Line 1 and get off at Sanjin International Hotel Stop (15 CNY), then walk westward to Bingzhou Hotel.

##### ● Train to hotel

(1) Taiyuan Station to hotel: Walk about 200 meters from the exit to the south of Yingze Street, then take the bus No. 1, 6, 10, or 866 and get off at the Bingzhou Hotel Stop (the second stop). Or take taxi (about 8 CNY) to the Bingzhou Hotel.

(2) Taiyuan South Station (High Speed Rail Station to hotel): Take the bus No. 902, 901,

or 901 and get off at Guangchang Stop, then walk about 360 meters northward to the Bingzhou Hotel. Or take the bus no. 502 (Night Shuttle) and get off at the Bingzhou Hotel Stop. Or take taxi (about 50 CNY) to the Bingzhou Hotel.

### 3. Special Reminder

Please send us the receipt to the Email Address “[imdpim@hotmail.com](mailto:imdpim@hotmail.com)” **before October 25, 2020** for all potential attendees, which will facilitate us arranging the reports, hotel, and other related matters.

## 第二届原位改性采矿国际研讨会 暨第七届非常规地质力学国际研讨会会议回执

(2020年11月7~8日, 山西省太原市)

姓名:	性别:	职称:	职务:
工作单位:			参会人数: 人
通讯地址:			邮编:
电 话:	手机:	E-mail:	
出席大会: <input type="checkbox"/> 仅出席大会 <input type="checkbox"/> 出席大会并做报告, 报告题目:			

(若是, 请在相应的框内打“√”)

**住宿预定** (请在相应的框内打“√”)

住宿地点	房间类型	价 格	数 量	住宿时间
并州饭店	<input type="checkbox"/> 标准间	350元	间	日~ 日
	<input type="checkbox"/> 大床房	350元	间	日~ 日

注: 报到时会务组根据宾馆房间预订情况进行适当调整, 请予谅解。



大会参会信息填写二维码

IMDPIM2 & UG7  
2020Taiyuan



该二维码7天内(10月14日前)有效, 重新进入将更新

大会微信群