



# International Workshop on Geo-mechanics and Geo-energy 2019

## 2019年岩石力学与地下能源国际研讨会

时间：2019年11月16日 地点：工科楼D座D345室

8:40-9:00		Opening ceremony and workshop photo
9:00-9:30	Majid Sedighi	Modelling the coupled THCM processes in compacted clay buffer: Bridging between macroscopic processes and microscopic phenomena
9:30-10:00	Hanbing Bian	Discussions on the geological disposal of high level radioactive waste
10:00-10:30	Jianlin Liu	Oil displacement by supercritical CO <sub>2</sub> in a water cut dead-end pore: molecular dynamics simulation
10:40-11:10	Li Zhuang	Cyclic hydraulic fracturing of granite: Laboratory-scale proof of concept for the mitigation of induced seismicity
11:10-11:40	Yongfei Yang	Digital rock physics: advanced technology for geo-energy development
14:00-14:30	Kang Duan	DEM modeling of hydraulic fracturing: applications and perspective
14:30-15:00	Mojgan Hadi Mosleh	Tackling environmental impacts of subsurface energy activities through innovative solutions
15:00-15:30	Zhaoqin Huang	Thermal-hydro-mechanical numerical modeling for deep geo-energy reservoirs
15:40-16:10	Lige Wang	DEM modelling of particle breakage and rock cutting mechanism
16:10-16:40	Yin Zhang, Rangang Yu	Study on temporary plugging and fracturing of low permeability reservoirs
16:40-17:00	Chenchen Huang, Wendong Yang	Mechanical behaviors of the brittle rock-like specimens with multi-non-persistent joints under uniaxial compression
17:00-17:20	Guangyu Luo, Wendong Yang	Experimental Investigations on Anchoring Effect of the Pre-stressed Bolt for Jointed Rock Specimen

# International Workshop on Geo-mechanics and Geo-energy 2019

November 15-16, 2019

Qingdao, China

## Program

Date	Schedule
November 15	Registration
November 16	Lectures
	Discussion
November 17	The end of the conference

## Local Organising Committee

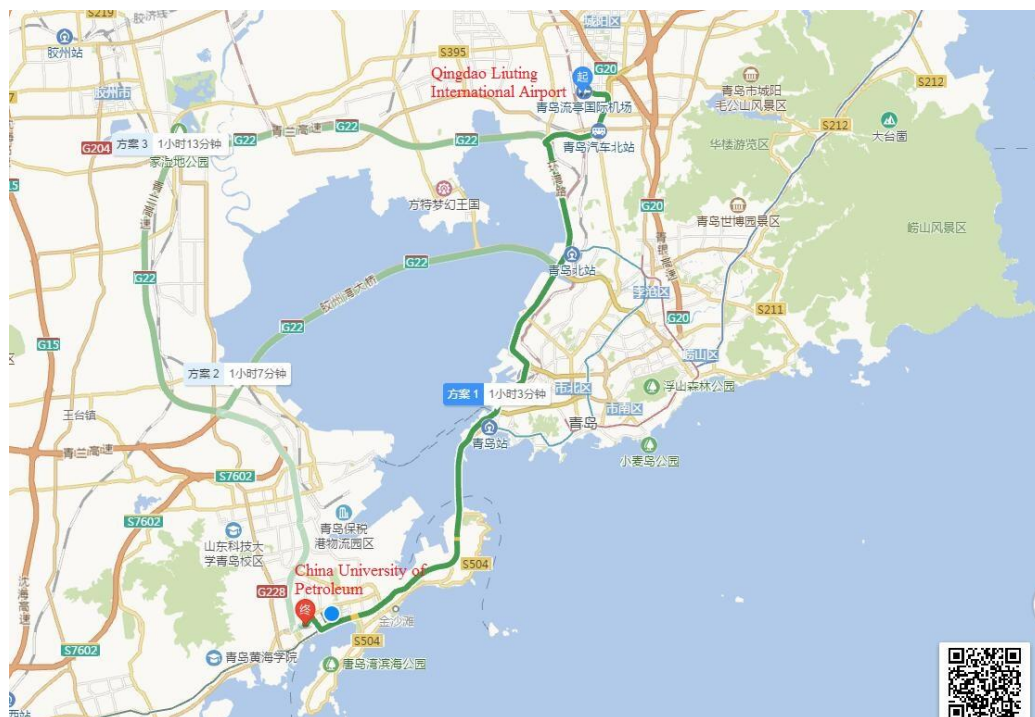
Associate Prof. Wendong YANG, +86-15376713557, yangwd@upc.edu.cn









Associate Prof. Yu ZHANG, +86-13792839259, zhangyu@upc.edu.cn

## Conference Venue

IWGG2019 will take place in Blue Horizon Hotel Qingdao, near Campus of China University of Petroleum. The campus is easily accessible from every direction by car or public transport. It is about 50 minutes' drive from Qingdao (Liuting) Airport to the conference venue and about 30 minutes' drive from Qingdao station to the conference venue.

The address of the conference venue: Address : No. 66 , West Changjiang Road , Huangdao District , Qingdao , China , 266580



November 12 Tuesday	November 13 Wednesday	November 14 Thursday	November 15 Friday
 Cloudy to overcast 11~18°C	 Cloudy 8~16°C	 Sunny day 5~14°C	 Sunny day 11~16°C
November 16 Saturday	November 17 Sunday	November 18 Monday	November 19 Tuesday
 Cloudy 11~17°C	 Cloudy 7~17°C	 Cloudy 4~13°C	 Light rain 6~11°C

**Invited experts:**

Majid Sedighi	英国曼彻斯特大学 (The University of Manchester)
Mojgan Hadi Mosleh	英国曼彻斯特大学 (The University of Manchester)
Hanbing Bian	法国里尔大学(Université de Lille)
Li Zhuang	韩国建设技术研究院 (Korea Institute of Civil Engineering and Building Technology (KICT))
Lige Wang	英国 PSE 离散元软件公司 (Process Systems Enterprise)
Goangseup Zi	韩国高丽大学 (Korea University)
Gang Wang	山东科技大学 (Shandong University of Science and Technology)
Xuguang Chen	中国海洋大学 (China Ocean University)
Kang Duan	山东大学 (Shandong University)
Jianlin Liu	中国石油大学 (华东) (China University of Petroleum)
Yongfei Yang	中国石油大学 (华东) (China University of Petroleum)
Zhaoqin Huang	中国石油大学 (华东) (China University of Petroleum)
Rangang Yu	中国石油大学 (华东) (China University of Petroleum)
Jing Li	中国石油大学 (华东) (China University of Petroleum)

**Program:**

Friday, 15 November, 2019			
18:00-19:30		Buffet	1 floor, Blue Horizon Hotel Qingdao
Saturday, 16 November, 2019			
8:40-9:00		Opening ceremony and workshop photo	D345, UPC
9:00-9:30	Majid Sedighi	Modelling the coupled THCM processes in compacted clay buffer: Bridging between macroscopic processes and microscopic phenomena	D345, UPC
9:30-10:00	Hanbing Bian	Discussions on the geological disposal of high level radioactive waste	D345, UPC
10:00-10:30	Jianlin Liu	Oil displacement by supercritical CO <sub>2</sub> in a water cut dead-end pore: molecular dynamics simulation	D345, UPC
10:30-10:40		Break	D345, UPC
10:40-11:10	Li Zhuang	Cyclic hydraulic fracturing of granite: Laboratory-scale proof of concept for the mitigation of induced seismicity	D345, UPC

11:10-11:40	Yongfei Yang	Digital rock physics: advanced technology for geo-energy development	D345, UPC
12:00-14:00	Buffet		1 floor, Blue Horizon Hotel Qingdao
14:00-14:30	Kang Duan	DEM modeling of hydraulic fracturing: applications and perspective	D345, UPC
14:30-15:00	Mojgan Hadi Mosleh	Tackling environmental impacts of subsurface energy activities through innovative solutions	D345, UPC
15:00-15:30	Zhaoqin Huang	Thermal-hydro-mechanical numerical modeling for deep geo-energy reservoirs	D345, UPC
15:30-15:40	Break		D345, UPC
15:40-16:10	Lige Wang	DEM modelling of particle breakage and rock cutting mechanism	
16:10-16:40	Yin Zhang, Rangang Yu	Study on temporary plugging and fracturing of low permeability reservoirs	D345, UPC
16:40-17:00	Chenchen Huang, Wendong Yang	Mechanical behaviors of the brittle rock-like specimens with multi-non-persistent joints under uniaxial compression	D345, UPC
17:00-17:20	Guangyu Luo,	Experimental Investigations on Anchoring Effect of the Pre-stressed Bolt for	D345, UPC

	Wendong Yang	Jointed Rock Specimen	
17:30-19:30	Banquet		Blue Horizon Hotel Qingdao