



## Second Circular for *International Conference on Large Igneous Provinces*

Characterized by huge volumes of intraplate magma intruded and erupted within a short period, the Large Igneous Provinces (LIPs) have significant effects on the differentiation and dynamic evolution of the Earth, crustal growth, global environmental changes, mass extinction, as well as transportation and accumulation of metal elements. Therefore LIPs have attracted attention of geologists, geophysicists and paleontologists for many years. Funded by China Association of Science and Technology, the *International Conference on Large Igneous Provinces* will be held at Chengdu University of Technology, China, from Aug. 26 to Aug. 31 in 2017.

This conference aims to bring international researchers together and stimulate potential collaboration from different disciplines. It will focus on the following topics:

1. Evolution of LIPs through time
2. Deep mantle geodynamics and geophysical observations
3. Ore-magmatic systems of LIPs
4. Effects of LIPs on the environment, climate and mass extinction

### Meeting Schedule:

- Aug. 25 (Friday): Registration in International Easter Hotel (怡东国际酒店) next to the campus of Chengdu University of Technology;
- Aug. 26 (Saturday) – Aug. 27 (Sunday): In-door meeting at the International Easter Hotel (Oral presentations and posters);
- Aug. 28 (Monday) – Aug. 31 (Thursday): field excursion to the Panzhihua V-Ti-Fe deposits, which was related with the Emeishan LIP in the Permian.
  - Aug. 28 (Monday): The bus will leave International Easter Hotel at 8:00, arrive in Panzhihua around 17:00;
  - Aug. 29 (Tuesday): The bus will leave the hotel at 8:00 am. We will visit volcanic rocks in the Ertan section next to the Ertan hydropower station, and core samples of the Panzhihua deposits collected by the Field Observation and Research Base of Ministry of

Land and Resources in China, and arrive in Miyi County at ~17:30;

- Aug. 30 (Wednesday): The bus will leave the hotel at 8:00 am and go to the Baima deposit, where mafic-ultramafic layered intrusion, felsic and alkali rocks related with the Emeishan LIP are well exposed. We will arrive in Xichang County before ~16:00 to visit the wetland park nearby.
- Aug. 31 (Thursday): The bus will leave the hotel at 8:00 am and arrive at the Chengdu airport around 16:00, and return to International Easter Hotel at 17:00.

### Registration Fee:

<b>2-day meeting</b>	<b>Early bird (before May 15)</b>		<b>After May 15</b>	
	Formal participant	Student	Formal participant	Student
	1600 (250 \$)	1200 Yuan (180 \$)	2000 Yuan (300 \$)	1600 Yuan (250 \$)
<b>4-day field excursion</b>	<b>Early bird (before April 30)</b>		<b>After April 30</b>	
	Single room	Share a room	Single room	Share a room
	3200 Yuan (500 \$)	2500 Yuan (370 \$)	4000 Yuan (600 \$)	3200 Yuan (500 \$)

- For 2-day meeting, registration fee covers meeting materials, coffee break and meals during the conference.
- For 4-day field excursion to Panzhihua, registration fee covers field guide, food, transportation during the field excursion, and accommodation of three nights from Aug. 28 to Aug. 30. A standard two-bed room can be shared by two persons if you like.
- Chinese participants can transfer the registration fee to the bank account of Chengdu University of Technology or pay in credit card on site. 转账时请备注“姓名+LIPs”  
户名：成都理工大学  
开户行：中国建设银行股份有限公司成都双建路支行  
帐号：51001885336050716993

## **Poster Presentation Guidelines:**

- Please prepare posters in A0 size (841 mm in width x 1189 mm in length) in a vertical format.
- Place the title of your paper and your paper number prominently to allow viewers to identify your paper. Highlight the authors' names and contact information in case the viewer is interested in more information.
- Posters can be put up in the morning of Aug. 26 next to the meeting room in the International Easter Hotel. Posters are to be removed by 12:00 of Aug. 27.
- If you don't want to bring your poster, please send the pdf file of your poster to [lihongkuicd@qq.com](mailto:lihongkuicd@qq.com) before Aug. 25. We will print it out and put it up in the poster site.

## **Organization Institutes:**

- Chinese Society for Mineralogy, Petrology and Geochemistry
- State Key Laboratory for Mineral Deposits Research, Nanjing University
- State Key Laboratory of Isotope Geochemistry in Guangzhou Institute of Geochemistry, Chinese Academy of Sciences
- Key Laboratory of Tectonic Controls on Mineralization and Hydrocarbon Accumulation, Ministry of Land and Resources, Chengdu University of Technology

## **Organization Committee:**

Yigang Xu, Guangzhou Institute of Geochemistry, China (Chair)

Richard Ernst, Carleton University, Canada (Vice-Chair)

Meifu Zhou, The University of Hong Kong (Vice-Chair)

Qin Wang, Nanjing University, China (Vice-Chair)

Zhongquan Li, Chengdu University of Technology, China (Vice-Chair)

Hanlin Chen, Zhejiang University, China

Shugen Liu, Chengdu University of Technology, China

Vlad Shatsky, Institute of Geochemistry SB RAS, Irkutsk, Russia

Hans Thybo, University of Copenhagen, Denmark

Rucheng Wang, Nanjing University, China

Yan Wang, Guangzhou Institute of Geochemistry, China

Huajiang Yao, University of Science and Technology of China

Chengjiang Zhang, Chengdu University of Technology, China

## Map:

The International Ester Hotel (怡东国际酒店) is next to the campus of Chengdu University of Technology. It is convenient to take the airport line 2 and then Bus 86, and walk to the hotel.



## For more information, please contact:

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# Meeting Schedule

Day I, Aug. 26 (Saturday)					
Time	Chair	No.	Speaker	Affiliation	Talk title
8:30-8:40	Prof. Zhong- Quan Li		Yi-Gang Xu	Guangzhou Institute of Geochemistry	Opening remarks
8:40-9:10		1	Richard Ernst	Carleton University, Canada	Frontiers in Large Igneous Province Research
9:10-9:40		2	Irina Artemieva	University of Copenhagen, Denmark	Modification of cratonic lithosphere mantle by LIP events: examples from Siberia, Europe and southern Africa
9:40-10:10		3	Yi-Gang Xu	Guangzhou Institute of Geochemistry	Two Permian large igneous provinces in China: Their main characteristics and origins
10:10-10:30	<b>Tea Break, group picture</b>				
10:30-11:00	Prof. Richard Ernst	4	Yun Chen	Institute of Geology & Geophysics, Chinese Academy of Geological Sciences	Geophysical signature and geodynamic effect of the ancient mantle plume activities: A case study of the Emeishan Large Igneous Province
11:00-11:20		5	Hua-Jian Yao	University of Science and Technology of China	Lithospheric structure and deformation patterns around the Emeishan LIP and SW China
11:20-11:40		6	Xin Li	Institute of Geology & Geophysics, Chinese Academy of Geological Sciences	Lithospheric electrical structure of the Emeishan large igneous province (SW, China), inferred from magnetotelluric data
11:40-12:00		7	Zhao-Jie Guo	Peking University	Rifting-induced early subaqueous eruption of the Emeishan LIP: new insights into the mantle dynamic process
12:00-13:00	<b>Lunch in the Dining Hall of International Easter Hotel (怡东国际酒店)</b>				
13:00-14:30	<b>Visit Geological Museum of Chengdu University of Technology</b>				
Time	Chair	No.	Speaker	Affiliation	Talk title
14:30-15:00	Prof. Shuan- Hong Zhang	8	Hans Thybo	University of Oslo, Norway	Magmatic underplating in the continental lithosphere
15:00-15:30		9	Han-Lin Chen	Zhejiang University	The character and petrogenetic model of the Permian Tarim Large Igneous Province
15:30-15:50		10	Yin-Qi Li	Zhejiang University	Geochemistry of three group basalts in the Tarim Large Igneous Province: implications on their petrogenesis
15:50-16:10	<b>Tea Break</b>				
15:40-16:10	Prof. Hans Thybo	11	Albrecht Hofmann	Max-Planck-Institut für Chemie, Germany	Nb-U-Th relationships in LIPs, OIBs and MORBs: Indicators of a common heritage
16:30-16:50		12	Li-Hui Chen	Nanjing University	Enriched mantle transition zone 'uncovered' by the subducting Pacific slab
16:50-17:10		13	Jun-Long Yang	China University of Geosciences (Wuhan)	Partial crystallization of picritic melt and its applications for the genesis of high-Ti and low-Ti basalts
17:10-17:30		14	De-Min Liu	China University of Geosciences (Wuhan)	Petrogenesis and tectonic settings of high-Mg volcanic rock xenoliths from Emeishan basalt in Jianshui, southeastern Yunnan, China
17:30-18:20	<b>Posters and Beer Break</b>				
18:30	<b>Dinner in the Dining Hall of International Easter Hotel (怡东国际酒店)</b>				

Day II, Aug. 27 (Sunday)					
Time	Chair	No.	Speaker	Affiliation	Talk title
8:30-9:00	Prof. Han-Lin Chen	15	Mei-Fu Zhou	University of Hongkong	A-type granites and oxide-bearing gabbros of the Emeishan Large Igneous Province, SW China
9:00-9:20		16	Bei Zhu	Southwest Petroleum University	A new crustally-derived granitic pluton in Dali, SW China and its implication for silicic magmatic activities in the Central Emeishan Large Igneous Province
9:20-9:40		17	Hu Huang	Chengdu University of Technology	Silicic eruptions in Emeishan igneous province and link to climate cooling
9:40-10:00		18	Xiao-Lei Wang	Nanjing University	Late Mesozoic silicic igneous province in South China
10:00-10:20	<b>Tea Break, online evaluation of China Association for Science and Technology</b>				
10:20-10:50	Prof. Irina Artemieva	19	Wei-Dong Sun	Institute of Oceanology, Chinese Academy of Geological Sciences	Mineral separation and large igneous provinces
10:50-11:10		20	Zhao-Hua Luo	China University of Geosciences (Beijing)	Formation of the Fe-Ti oxide deposits in the Emeishan Large Igneous Province (ELIP): An transmagmatic fluid model
11:10-11:40		21	Shuan-Hong Zhang	Institute of Geomechanics, Chinese Academy of Geological Sciences	The 1.33–1.30 Ga Yanliao large igneous province in the North China Craton: Implications for reconstruction of the Nuna (Columbia) supercontinent
11:40-12:00		22	Qin Wang	Nanjing University	Cratons forged by large igneous provinces: insights from water content and rheology
12:00-13:00	<b>Lunch in the Dining Hall of International Easter Hotel (怡东国际酒店)</b>				
Afternoon	<b>Discussion</b>				
18:00	<b>Dinner in the Dining Hall of International Easter Hotel (怡东国际酒店)</b>				

## Posters

No.	Presenter	Affiliation	Title
1	Xue-Jun Li	China University of Geosciences (Beijing)	Storage time scale of enriched giant plagioclase basaltic magma in Emeishan Large Igneous Province, SW China
2	Ming-Qi Liu	University of Chinese Academy of Sciences	Dynamics of continental lithospheric thinning and destruction: A review based on numerical modeling
3	Yang-Fan Deng	Guangzhou Institute of Geochemistry	Gravity response on the Ancient Mantle Plume
4	Yi-Ren Gou	Nanjing University	Review of water contents in mantle xenoliths from large igneous provinces
5	Ming-Chao Zhang	Development and Research Center, China Geological Survey	Discussion on the diagenetic ages of the main intermediate acid intrusive rocks in Ningzhen ore district, Jiangsu province