

# *IGCP-652 Annual Meeting*

## *21-27 August, 2019, Lanzhou*

*High-resolution Paleozoic geologic timescale*



### **Sponsorship**

IGCP-652 Project Scientific committee

School of Earth Sciences, Lanzhou University

School of Earth Science and Resources, Chang'an University

School of Ocean Sciences, China University of Geosciences

Third Institute of Oceanography, State Oceanic Administration

Institute of Earth Environment, Chinese Academy of Sciences

National Science Foundation of China

K. C. Wong Education Foundation

## VENUE

School of Earth Sciences, Lanzhou University  
Gansu Province, China

## CONFERENCE TOPICS

- Multidisciplinary stratigraphy (bio-, chemo-, magneto- and cyclostratigraphy, etc.);
- High-precision dating methodology and Paleozoic geologic timescale;
- Paleoclimate and bio-diversity evolution.

## ORGANIZING COMMITTEE

Prof. Dr. Shuang Dai, Lanzhou University, China.

Dr. Anne-Christine Da Silva, University of Liege, Belgium.

Dr. David De Vleeschouwer, University of Bremen, German.

Prof. Dr. Rongxi Li, Chang'an University.

Prof. Dr. Weiguo Wang, The Third Institute of Oceanography,  
Ministry of Natural Resources, China.

Prof. Dr. Huichun Wu, Chinese University of Geosciences (Beijing).

Prof. Dr. XiaoKe Qiang, the Institute of Earth environments, CAS.

## CONTACTS

Dr. Shuang Dai, Lanzhou University, China.

Phone: 86-13893241194; E-mail: [daisher@lzu.edu.cn](mailto:daisher@lzu.edu.cn)

Dr. Anne-Christine Da Silva, University of Liege, Belgium.

E-mail: [ac.dasilva@uliege.be](mailto:ac.dasilva@uliege.be)

Dr. Ronghuang Wang, Lanzhou University, China.

Phone: 86-18794812871; E-mail: [wangronghua@lzu.edu.cn](mailto:wangronghua@lzu.edu.cn)

# CONFERENCE PROGRAMME

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**August 20, 14:00 -18:00 P.M.** Arrival of participants to Lanzhou and Registration at the **Tsuiying Hotel lobby**.

**August 21-22, Wednesday to Thursday, 1-2<sup>nd</sup> day**  
**Workshop**

*of*  
*Milankovitch Theory and spectral analysis*

By  
Dr. Anne-Christine Da Silva and Dr. Xu Yao  
[http://sh.qq.com/pc/home?ch=youlike&sign=360\\_09801ce2](http://sh.qq.com/pc/home?ch=youlike&sign=360_09801ce2)

In  
Lecture hall 1221, Guanyun Building,  
Chengguan Campus of Lanzhou University

**1<sup>st</sup> day:**

**9:00-12:00 A.M.** Anne-Christine Da Silva & Xu Yao  
*Theory on Milankovitch forcing and spectral analysis*

**14:00-16:00 P.M.** Xu Yao & Anne-Christine Da Silva  
*Astronomical tuning of paleoclimate series*

*Introduction of Acycle software for cyclostratigraphy*

**2<sup>nd</sup> day:** Xu Yao & Anne-Christine Da Silva

*Practice for Acycle software for cyclostratigraphy*

## **August 23-25, Friday to Sunday, 3-5<sup>th</sup> day, Field Trip**

### **3<sup>rd</sup> day, August 23 – Friday**

**7:30 A.M.** *Gathering below Guanyun building after breakfast.*

**7:45 A.M.** *Leaving for Pingliang city. About 4 hours bus driving.*

**12:00 P.M.** *Arrival in Pingliang city and have a quick lunch.*

**13:00 P.M.** *Sidaogou and Taitongshan sections. 5 hours on-site  
for observations and discussions.*

**18:00 P.M.** *Hotel check-in and dinner.*

### **4<sup>th</sup> day, August 24 – Saturday**

**8:00 A.M.** *Gathering at the hotel lobby after breakfast.*

**8:15 A.M.** *Leaving for Qishan City. About 3 hours driving.*

**11:30 A.M.** *Hotel check-in and Lunch at a special site.*

**14:00 P.M.** *Qishan section, 4 hours on-site for observation and  
discussions.*

**18:00 P.M.** *dinner.*

### **5<sup>th</sup> day, August 25 – Sunday**

**7:45 A.M.** *Gathering at the hotel lobby after breakfast.*

**8:00 A.M.** *Leaving for Jueshan section. 3 hours on-site for  
observations and discussions.*

**11:00 A.M.** *Returning back to Lanzhou. 7 hours bus driving, with  
stops about 15 minutes every two hours and a quick  
lunch by the highway service station.*

**18:00 P.M.** *Arrival in Lanzhou city and hotel check-in and dinner.*

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## August 26-27, Mon. to Tues., 6-7<sup>th</sup> day, Indoor Meeting

### 6<sup>th</sup> day, August 26 – Monday

Registration for participants of indoor meeting **only** at hall 11th floor,  
Guanyun Building, Chengguan Campus of Lanzhou University

**8:30 - 9:00**

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***Opening of the Indoor meeting 9:00-9:30***

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#### ***Indoor meeting***

9:30-10:15 **Bradley Cramer**  
***Calibrating the Paleozoic Timescale***

10:15-10:35 Anne-Christine da SILVA  
*Identification of Milankovitch cycles in the Paleozoic – The sedimentary record of climate change and planetary motion*

***Coffee break: 10:35-11:00***

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11:00-11:20 Nikolay Sennikov  
*Graptolite zonation and global correlation of Ordovician of the Gorny Altai*

11:20-11:40 Zhiqiang Shi  
*Ordovician-Silurian lithological and paleogeographic evolution in southeastern margin of Sichuan Basin: Implications for O/S boundary event*

11:40-12:00 Qiang Fang  
*Deciphering the paleoclimate changes during the Middle Ordovician based on cyclostratigraphic correlation across south China, North China and Tarim blocks*

***Lunch: 12:00-14:00***

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14:00-14:45 **Jahandar Ramezani**

*High-precision calibration of the Paleozoic stratigraphic records:  
Progress and challenges*

14:45-15:05 **Khin Khin Lin**

*Cambro-Ordovician sequence stratigraphy and sedimentology of the  
Myogyi-Pindaya area, Southern Shan state*

15:05-15:25 **Jichuang Fang**

*Cyclostratigraphy of the global stratotype section and point (GSSP)  
of the basal Guzhangian Stage of the Cambrian Period*

15:25-15:45 **Chonghui Xiong**

*Diversity dynamics of Devonian land plants in South China*

**Coffee break: 15:45-16:05**

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16:05-16:25 **Xu Yao**

*Advances in characterizing cyclostratigraphy of chert-mudstone couplets  
sequence*

16:25-16:45 **Michiel Arts**

*Silurian record of the Altmaje Core from Gotland, preliminary results*

16:45-17:05 **Hamdi Omar**

*Astronomical Tuning of the Lower Cretaceous marl-limestone  
alternation, southern Paleotethyan margin of the Tibetan Plateau*

17:05-17:25 **Jie Zhao**

*Cyclostratigraphic analysis of magnetic records, CaCO<sub>3</sub> content, color  
for orbital chronology of the Lower Cretaceous Liupanshan Group*

17:25-17:45 **Chaofeng Fu**

*Late Miocene East Asian Summer Monsoon change recorded by the  
sediment sequences of Jianzha Basin in the Northeastern*

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## **7<sup>th</sup> day, August 27 – Tuesday**

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*Indoor meeting*

09:00-09:45 **Bradley Cramer**

*The GTS2020*

09:45-10:05 Yangyang Zhong  
*Recent advances in cyclostratigraphic research on Ordovician strata of South China*

10:05-10:25 Longlong Shan  
*Early Ordovician acritarchs from Yichang area: biostratigraphy and palaeoecology*

**Coffee break: 10:25-10:45**

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10:45-11:05 Ronghua Wang  
*Rock-magnetism experiments for sedimentary rocks of Ordovician in SW Ordos, china*

11:05-11:25 Haiyu Xi  
*Cyclic Stratigraphy of Ordovician Pingliang Formation in Southwest Margin of Ordos Basin*

11:25-11:45 Di Zhao  
*Petrography and Sedimentary Environment of the Carbonate of Majiagou Formation in Qishan Area on the South Margin of Ordos Basin*

11:45-12:05 Shuang Dai  
*Paleomagnetic data of sedimentary rocks of Ordovician in SW Ordos (china), and its tectonic implications*

**Lunch: 12:05-14:00**

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**Poster session/coffee: 14:00-15:30**

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Hongbo Wang *Stratigraphic division, Correlation and Sedimentary Evolution of the early Cambrian in the Southern Margin of Ordos Basin-North Qinling*

Chao Tian *Paleomagnetic data of volcanic rocks of Cambrian in north Altun Tagh mountain (West china), and its tectonic implications*

Xuejin Wu *Radiolarian fauna of the Ordovician Jinsushan Formation in Fuping, Shaanxi Province, China*

Xuelian Guo *Paleosols in Devonian red-beds from northwest China and its paleoclimatic characteristics*

Xin Zhong *Study on the formation mechanism of Hongshanwan landform in*

*Zhangye National Geopark*

Minzhen Zhang *The first palynological records from the Lower Cretaceous of the northern Sichuan Basin (China): Palynostratigraphical and paleoenvironmental significance*

Baoxia Du *Late Early Cretaceous climate and pCO<sub>2</sub> estimates in Northwest China*

Bilesami Temitope Gbenga *Microbiology in Paleozoic*

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***Tour by Yellow river: 15:30-18:00***

***Farewell dinner: 18:00***

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