

5th International Conference of Palaeogeography

Conference Guide

Yangtze University, Wuhan, China

May, 2022

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1. Conference Organization

(1) Conference Sponsors

International Society of Paleogeography Preparatory Committee
Editorial Committee of the Journal of Palaeogeography
Lithofacies Palaeogeography Committee of the Chinese Society for Mineralogy,
Petrology and Geochemistry
Petroleum Geology Committee of the Chinese Petroleum Society
Stratigraphy and Paleontology Committee of the Geological Society of China
Coalfield Geology Committee of the Geological Society of China
Yangtze University
China University of Petroleum (Beijing)
SEPM (Society for Sedimentary Geology)

(2) Conference Organizers

Yangtze University
Anhui Koushare Digital Technology Co., LTD

(3) Co-Organizers

China University of Petroleum (East China)
China University of Geosciences (Wuhan)
China University of Geosciences (Beijing)
China University of Mining and Technology (Beijing)
China University of Mining and Technology
Nanjing University
Northwest University
Central South University
Shandong University of Science and Technology
Chengdu University of Technology
Southwest Petroleum University
Northeast Petroleum University
Xi'an Shiyou University
Hubei Petroleum Society
Geological Society of Hubei

Jiangnan Oilfield Branch of Sinopec Group

(4) Organizing Committee

Chairmen: Zheng Feng, Zhidong Bao

Members (alphabetized by first name): Dongsheng Sun, Guiwen Wang, Huaqing Liu, Haimin Guo, Huaichun Wu, Huaguo Wen, Jianwei Li, Jian Shen, Longyi Shao, Mingcai Hou, Mingyi Hu, Mingshui Song, Suotang Fu, Shenghe Wu, Tao Jiang, Wenxiang He, Xiangchun Chang, Xinhua Ma, Xuanlong Shan, Xianyan Wang, Xiaobing Wu, Yingchang Cao, Youbin He, Yanshu Yin, Yuqing Zhang, Yunfeng Zhang, Zhiqian Gao

General Secretary: Mingyi Hu, Yanshu Yin

Secretary Group Member: Denglin Han, Nan Wu, Zhonggui Hu, Jinxiong Luo, Hua Li, Da Gao

(5) Academic Committee

Honorary Chairman: Zengzhao Feng

Chairman: Changmin Zhang, Shenghe Wu

Members (alphabetized by first name): Aymon Baud, Benzhong Xian, Bin Hu, Caineng Zou, Carlos Zavala, Changsong Lin, Chengsen Li, Chengshan Wang, Chengyan Lin, Chunming Lin, Daidu Fan, Dechen Su, Emese M. Bordy, Emilia Le Pera, Fotini A. Pomoni, Franz T. Fürsich, G. Shanmugam, Ganqing Jiang, Gavin Young, Guang Hu, Guoping Bai, Hairuo Qing, Hanyong Bao, Hao Liu, Hongfu Yin, Huaguo Wen, Ian D. Somerville, Ihsan S. Al-Aasm, Jianghai Yang, John S. Armstrong- Altrin, Lida Xing, Longde Sun, Longyi Shao, Margaret L. Fraiser, Markus Aretz, Massimo Moretti, Matthias Alberti, Mihai Emilian Popa, Mingcai Hou, Mingyi Hu, Peter Druschke, Ping Wang, Piotr Krzywiec, Robert V. Burne, Santanu Banerjee, Shenghe Wu, Shunshe Luo, Spencer G. Lucas, Stephen Kershaw, Subir Sarkar, Tadeusz Marek Peryt, Taiju Yin, Tieguan Wang, Tingshan Zhang, Wan Yang, Xiaomin Zhu, Xiaoqiang Yang, Xiaoying Shi, Xiumian Hu, Yasheng Wu, Yinye Wu, Youbin He, Yuan Wang, Zaixing Jiang, Zhenkui Jin, Zhiqiang Shi, Zhongqiang Chen

General Secretary: Mingyi Hu, Yuan Wang

(6) Youth Outstanding Paper Review Committee

Chairman: Ian D. Somerville

Members (alphabetized by first name): Denglin Han, Franz T. Fürsich, Longyi Shao, Piotr Krzywiec, Robert V. Burne, Santanu Banerjee, Wan Yang, Wenhua Guo, Xiaomin Zhu, Youbin He

General Secretary: Yuan Wang

2. Conference Login

The conference is affected by the epidemic and will be held online on the Tencent conference platform and shared live on the Koushare academic platform, live link: <https://www.koushare.com/topicIndex/i/ICP-5th>。



(1) For participants who only plan to listen to the report, please enter the Koushare Academic Live Room directly and choose the venue to listen to the meeting, there is no limit to the number of participants and no password is required.

(2) For the hosts and the experts doing the report, please download and install the Tencent conference software in advance, select the corresponding venue ID, enter the Tencent venue with your real identity (name + affiliation), and debug the microphone, camera and other equipment half an hour in advance; each expert shares multimedia files when doing the report, and needs to end the sharing in time after the report to avoid delaying the next report; we will notify you 2~3 days in advance of the password of each venue ID.

(3) Experts who have the intention to exchange and discuss, please choose the venue in advance, contact the host of each venue or the liaison of the main venue and the sub venue (Jiajia Hu, 18801192523, Email: hujiajia@yangtzeu.edu.cn), the password will be provided after approval, you can enter the Tencent venue by your real identity (name + affiliation), and debug the microphone and camera half an hour in advance; please draw attention to the oral report period, non-question time, close the microphone.

See the following table for the venue ID numbers of the main venue and each

sub venue:

No.	Main Venue and Sub Venue	Liaison	Venue ID
1	May 14 morning: opening ceremony, conference report (I)	Jiajia Hu	159 982 857
2	May 14 afternoon: sub venue report		
	(1) Lithofacies palaeogeography and sedimentology (I)	Li Zhang	643 283 406
	(2) Biopalaeogeography and Microbial rocks	Mingtao Li	295 747 485
	(3) Tectonopalaeogeography	Yaning Wang	777 611 373
	(4) Palaeoclimatology and global climate changes	Yaling Zhu	226 277 916
	(5) Event sedimentology and paleogeographic changes	Qingjie Deng	837 140 094
	(6) Deep-water sedimentology and palaeogeography	Hua Li	385 884 736
	(7) Lacustrine sedimentology and palaeogeography	Shengqian Liu	654 273 882
	(8) Fine-grained sedimentology and paleogeography (I)	Quansheng Cai, Qiqi Lyu	889 773 982
	(9) Sedimentary architecture and small-scale paleogeography (I)	Wenjie Feng	396 625 574
	(10) Paleogeography and mineral resources (I)	Jinxiong Luo	675 678 551
	(11) New technologies and methods of paleogeography research (I)	Wei Lin	346 223 818
3	May 15 morning: sub venue report		
	(1) Lithofacies palaeogeography and sedimentology (II)	Li Zhang	776 657 172
	(8) Fine-grained sedimentology and paleogeography (II)	Quansheng Cai, Qiqi Lyu	746 675 383
	(9) Sedimentary architecture and small-scale paleogeography (II)	Wenjie Feng	349 413 507
	(10) Paleogeography and mineral resources (II)	Jinxiong Luo	167 335 435
	(11) New technologies and methods of paleogeography research (II)	Wei Lin	982 906 913
4	May 15 afternoon: Conference Report (II), Closing Ceremony	Jiajia Hu	638 255 248

3. Conference Information Guide

(1) Conference schedule

Date	Morning	Afternoon	Evening
May 12			Organizing committee preparatory meeting
May 14	Opening ceremony Conference report (I)	Sub-venue report (I)	Outstanding Young Papers Selection
May 15	Sub-venue report (II)	Conference report (II) Closing Ceremony	

(2) Notes and Precautions for Attendance

1) The conference report time in main venue is 25-35 minutes, the theme report time in sub venue is 20 minutes, the general oral report time is 15 minutes, all the above report time covers 3~5 minutes of discussion time.

2) To ensure the smooth running of the conference, all participants are requested to turn off the microphone during the non-speech presentation time to avoid affecting the report.

3) Due to the recent recurrence of the epidemic, participants are requested to protect themselves from the epidemic when attending the conference; offline sessions are required to pay attention to the following items:

- a. Equip with epidemic prevention supplies, including masks, alcohol, temperature guns, etc.
- b. Keep the air circulation in the venue environment clear.
- c. Conduct environmental disinfection of the venue every half day.
- d. Publicize and supervise the epidemic prevention for each offline participant.
- e. Maintain seating and social distance.

4) No registration fee will be charged for this conference, and any fees paid will be returned by the conference agent.

4. List of venue hosts

List of hosts for the opening and closing ceremonies and presentations

No.	Host	Duration	Content	Venue ID
1	Changmin Zhang	May 14 9:00-9:50 am	Opening ceremony Conference Report (I)	Opening ceremony & Conference Report (I): 159 982 857
2	Shenghe Wu	May 14 9:50-10:50 am	Conference Report (I)	
3	Longyi Shao	May 14 11:00-12:25 am	Conference Report (I)	
4	Changsong Lin	May 15 14:30-15:45	Conference Report (II)	Conference Report (II) & Closing Ceremony: 638 255 248
5	Mingyi Hu	May 15 15:55-17:30	Conference Report (II) Closing Ceremony	

List of hosts for parallel sessions

No.	Host	Duration	Sub venue	Venue ID
1	Schedule of the parallel session	May 14 14:30-17:40	(1) Lithofacies palaeogeography and sedimentology	643 283 406
2			(2) Biopalaeogeography and Microbial rocks	295 747 485
3			(3) Tectonopalaeogeography	777 611 373
4			(4) Palaeoclimatology and global climate changes	226 277 916
5			(5) Event sedimentology and paleogeographic changes	837 140 094
6			(6) Deep-water sedimentology and palaeogeography	385 884 736
7			(7) Lacustrine sedimentology and palaeogeography	654 273 882
8			(8) Fine-grained sedimentology and paleogeography	889 773 982
9			(9) Sedimentary architecture and small-scale paleogeography	396 625 574
10			(10) Paleogeography and mineral resources	675 678 551
11			(11) New technologies and methods of paleogeography research	346 223 818
13		May 15 8:30-11:35 am	(1) Lithofacies palaeogeography and sedimentology	776 657 172
20			(8) Fine-grained sedimentology and	746 675 383

			paleogeography	
21			(9) Sedimentary architecture and small-scale paleogeography	349 413 507
22			(10) Paleogeography and mineral resources	167 335 435
23			(11) New technologies and methods of paleogeography research	982 906 913

5. Opening Ceremony, Conference Report and Closing Ceremony Schedule

(1) May 14th morning: Opening ceremony, conference report (I)

Conference ID: 159 982 857

1) 9:00-9:20 am Opening ceremony

Host: Changmin Zhang Professor

(a) Prof. Zhidong Bao, Chairman of Organizing Committee of 5th ICP, deliver the opening speech.

(b) Zheng Feng, President of Yangtze University, deliver the welcome speech.

(c) Prof. Zengzhao Feng, Honorary Chairman of the Academic Committee of the 5th ICP, deliver the welcome speech from the organizer.

2) 9:20-12:25 am Conference Report (I)

Host: Changmin Zhang Professor

(a) 9:20-9:50 am

Depositional architecture of shallow-water delta in lacustrine basin

Shenghe Wu Professor

Host: Shenghe Wu Professor

(b) 9:50-10:25 am

150 Years (1872-2022) of research on deep-water processes, deposits, settings, triggers, and deformation: A difficult domain of progress, dichotomy, diversion, omission, and groupthink

G. Shanmugam Professor

(c) 10:25-10:50 am

Seismic sedimentology: principles, applications, and challenges

Zeng Hongliu Professor

10:50-11:00 am Tea break

Host: Longyi Shao Professor

(d) 11:00-11:35 am

Deltas: new paradigms

Carlos Zavala Professor

(e) 11:35-12:00 am

Recent advances in reconstructing Middle to Late Jurassic water temperatures of Gondwana: palaeogeographic implications

Matthias Alberti Professor

(f) 12:00-12:25 am **Professor**

Paleogeography and depositional evolution of the Paleozoic protobasins during the transforming stages in the Tarim Basin: response to tectonism and sea-level change

Changsong Lin Professor

(2) May 15th afternoon : Conference report, closing ceremony

Venue ID: 638 255 248

1) 14:30-17:10 Conference report (II)

Host: Changsong Lin Professor

(a) 14:30-14:55

Distribution patterns of Mississippian corals and reefs on the way into the Late Palaeozoic Ice Age

Markus Aretz Professor

(b) 14:55-15:20

Soft sediment deformation structures: a sedimentary record of environmental and tectonic processes

Massimo Morretti Professor

(c) 15:20-15:45

Paleogeographic and stratigraphic implications of authigenic green celadonite and glauconite

Santanu Banerjee Professor

15:45-15:55 Tea break

Host: Mingyi Hu Professor

(d) 15:55-16:20

Distributive Fluvial Systems in Permian-Triassic Mahu Depression, Junggar Basin: their recognition, configuration and evolution

Changmin Zhang Professor

(e) 16:20-16:45

Identification of Milankovitch cycles and calculation of net primary productivity of paleo-peatlands using geophysical logs of coal seams

Longyi Shao Professor

(f) 16:45-17:10

Geomorphologic Evolution of Northern Tibetan Plateau in the Quaternary: Tectonic and Climatic Controls

Keyu Liu Professor

2) 17:10-17:30 Closing ceremony

(a) Prof. Youbin He reads out the results of the "Youth Excellent Paper Award".

(b) The winning representative of the "Youth Excellent Paper Award" make a speech
[to be determined]

(c) Secretary General Yuan Wang announces the prizes of "Youth Excellent Paper Award".

(d) Mingyi Hu, Secretary General of the Organizing Committee, summarizes the conference.

6. Report Schedule of the parallel session

(1) May 14 afternoon

1) Lithofacies paleogeography and sedimentology

Convenors: Zhidong Bao, Changsong Lin, Changmin Zhang, Santanu Banerjee, Li Zhang

Liaison: Li Zhang

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	DasMohuli	Ichnological, palaeoenvironmental, and high-resolution sequence-stratigraphic analysis of the Palaeosol Member from the Ypresian (early Eocene)	Changsong Lin Li Zhang
2	14:50	15:10	Jungang Pang	Depositional System and Palaeogeographic Evolution of a Desert Succession Recorded in the Cretaceous of the Ordos Basin (China)	
3	15:10	15:25	Wenjun Fu	Research progress on the sedimentary reservoirs of the Kalazha Formation in the southern margin of the Junggar Basin	
4	15:25	15:40	Yufeng Cui	Multiple experiment-based rock typing for eolian sandstones	
5	15:40	15:55	Kang Zhao	Lithofacies Characteristics and Sedimentary Process of Fluvial to Alkaline Lake System Influenced by Volcanoes: A Case Study from Permian Fengcheng Formation in Mahu Sag, Junggar Basin, China	
	15:55	16:05	Tea Break		
6	16:05	16:20	Wancai Nie	Discussion on the genesis of large-scale dolomite constrained by multiple parameters in Mawu 6 sub member of Majiagou Formation in the Middle East of Ordos Basin	Prof. Santanu Banerjee Hongping Liu
7	16:20	16:35	Baiqiang Li	Genesis of Sub-member Ma55 dolostone in the Ordovician Majiagou Formation, NW Ordos Basin: evidence from petrology and major and trace element geochemistry	
8	16:35	16:50	Xuehu Sun	Lithofacies Paleogeographic Characteristics of the Middle Cambrian Shayilike Formation , Tarim Basin , NW China	
9	16:50	17:05	Shan Zhong	Origin and distribution of the Cambrian Changping Formation dolomite at the Xiaweidian section in the western suburb of Beijing	
10	17:05	17:20	Zhenzhen Wu	Lithofacies paleogeography and its geological significance of oil and gas exploration of Sub-member Ma54 in the Ordovician Majiagou Formation, Northwestern Ordos Basin	

2) Biopalaeogeography and microbialites

Convenors: Hairuo Qing, Ian D. Somerville, Robert V. Burne, Mingyi Hu, Bin Hu, Jiaxin Yan, Mingtao Li

Liaison: Mingtao Li

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts	
1	14:30	14:50	Yasheng Wu	Definition of Biopetrology and biopetrologicalpalaeogeography	Prof. Makus Aretz Mingtao Li	
2	14:50	15:10	Yu Pei	Late Anisian microbe-metazoan build-ups in the Germanic Basin – aftermath of the Permian – Triassic crisis		
3	15:10	15:25	Yong Wang	Changes of pH value and main cations of the solution during the synthesis of carbonate minerals mediated by microorganisms		
4	15:25	15:40	Pan Tang	Types, Petrophysical Properties and Pore Evolution of Late Ediacaran Microbial Carbonates, Tarim Basin, NW China		
5	15:40	15:55	Zhiheng Ma	New records of ammonoids (cephalopoda: ammonoidea) from Upper Triassic (Carnian) of south-west China indicate an explosive radiation of trachyceratidae during Carnianpluvail episode		
	15:55	16:10	Tea Break			
6	16:10	16:30	Yongbin Niu	Bioturbation enhanced petrophysical properties in the Ordovician carbonate reservoir from the Tahe oilfield, Tarim basin, China	Prof. Ian D. Somerville Yunfei Huang	
7	16:30	16:45	Mingtao Li	Microbe-induced deep water carbonate factory following the Permian-Triassic mass extinction		
8	16:45	17:00	Mingtao Zuo	Typology and characteristics of the platform margin zone and its control on the development of biological reefs : An example from the Changxing Formation on both sides of the Kaijiang-Liangping Trough		
9	17:00	17:15	Yan Zhang	Palynologica Assemblages from the Tongbomiao Formation in Well Hong-6 in the Hailar Basin and their paleoclimate significance		
10	17:15	17:30	Hua Liu	Evolution and controlling factors of Permian coral diversity in Xintan area, western Hubei		
11	17:30	17:45	Zhenyu Song	Evolution of Ordovician metazoan diversity in the Middle Yangtze region		

3) Tectonic palaeogeography

Convenors: Zhiliang He, Dengfa He, Shangfeng Zhang, A.J. Tom van Loon, Yaning Wang

Liaison: Yaning Wang

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts	
1	14:30	14:50	Qingxiang Du	New ages of Early Cretaceous volcanic rocks in the Yanbian area (NEChina): implications for the subduction and slab rollback of the Paleo-Pacific Plate underneath eastern China during Early Cretaceous	Zhiliang He Yaning Wang	
2	14:50	15:10	Chi Zhang	The control of paleogeography on the rupture mode of strike-slip faults: A case study of the southeast slope belt of Tahe		
3	15:10	15:25	Kang Li	Tectonictrans formation of Xijiang Depression during rifting and its significance to sedimentation in Pearl River Mouth Basin		
4	15:25	15:40	Xuntao Yu	Sedimentary response and characteristics to the boundary fault activity during post-rift period of continental lacustrine rift basin: A case of Jiufotang formation in Ludong sag, Kailu Basin		
5	15:40	15:55	Yue Zhang	Late Mesozoic magmatic activity characteristics and deep dynamic mechanism in eastern Shandong and Huanghai area		
	15:55	16:05	Tea Break			
6	16:10	16:25	Xingyue Chen	Characterization of Multi-scale Heterogeneity of Carbonate Reef Outcrop	Prof. Tadeusz Marek Peryt Xuan Chen	
7	16:20	16:35	Chengcheng Zhang	Coupling analysis of “strike-slip activity-provenance migration - geomorphic uplift” and sedimentary filling model: A case ofEocene in southern Laizhouwan Depression		
8	16:35	16:50	Weiwei Lei	Characteristics of salt rock evolution and paleogeographic restoration under strike-slip activity: A case of kongdian Formation-Sha4 member in southern Laizhouwan Depression		
9	16:50	17:05	Xiujuan Wang	Formation and evolution of pre-Jurassic palaeogeomorphology and characteristics of sedimentary filling in Ordos Basin: A case study of Longdong area		
10	17:05	17:20	Yue He	Lithofacies palaeogeography of the Fourth member of Shahejie formation in southern Laizhou Bay under the background of volcanic activity		

4) Palaeoclimatology and global climate change

Convenors: Haichun Wu, Chuantao Xiao, Markus Aretz, Tao Jiang, Yaling Zhu

Liaison: Yaling Zhu

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	SinghPragya	Paleoenvironmental implication of interbasaltic bole beds between lava flow of late Cretaceous Deccan volcanic province, India and their implication as Martian analogue	Huaichun Wu Yaling Zhu
2	14:50	15:10	Guanxin Du	Formation environment and provenance indication of river sediment parent material mollisols—Taking mollisols in Northeast China as an example	
3	15:10	15:25	Qiang Fang	Collapse of coal forests triggered the demise of the late Paleozoic icehouse	
4	15:25	15:40	Jian Wang	Paleoclimate evolution recorded by the Paleocene-Eocene salt-lake sediments in Eastern China and its driving mechanism	
5	15:40	15:55	Zhuangzhuang Bai	Sedimentary system and petrographic paleogeography of the Early Silurian Shiniulan Formation in southeastern Sichuan	
	15:55	16:05	Tea Break		
6	16:10	16:25	Qisong Xu	Paleoclimate quantitative reconstruction method of continental red beds: A case study of the lower fourth sub-member of Shahejie Formation in the Bonan Sag	Prof. Matthias Alberti Tao Jiang
7	16:20	16:35	Deming Kong	Alkenone-derived SST and implication for upwelling changes off the eastern Hainan Island over the last 4500 years	
8	16:35	16:50	Shixin Li	Late Triassic Carnian Pluvial Episode : Evidence from Sedimentology and Geochemistry in Southwest Guizhou	
9	16:50	17:05	Shengyang Xie	The behavior of rare earth elements indicates the dolomite genesis and a new dolomitization model of Middle Permian Qixia Formation in Northwest Sichuan basin, China	
10	17:05	17:20	Xuan Chen	Sequences and $\delta^{13}\text{C}$ trends of Qixia (Permian) carbonate platform in Sichuan Basin, China: Response to glacio-eustacy	
11	17:25	17:40	Bingxue Wang	Palynological characteristics of the Yanghugou Formation at the western margin of Ordos Basin, NW China and the paleoclimatic implications	

5) Event sedimentology and paleogeographic changes

Convenors: Daidu Fan, Piotr, Taiju Yin, Xiumian Hu, Qingjie Deng

Liaison: Qingjie Deng

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	Taijun Yin	A review of flume experiment and numerical simulation	Prof. Daidu Fan Qingjie Deng
2	14:50	15:10	Pan Li	An exhumed siliciclastic and carbonate gravity-flow system from the Qinglin orogen, NW China: Processes, environment and implications	
3	15:10	15:25	Srivastava Ayush	Seismically induced soft-sediment deformation structures (SSDS) from the early Miocene Khari Nadi Formation, western Kutch basin of India: evidence of a tectonic uplift triggering an ichno-sedimentological regime change	
4	15:25	15:40	Wurong Wang	Study on the distribution model of quality difference in the tight sandstone reservoir of sublacustrine fan from the Chang 6 interval of the Yanchang Formation in the Heshui Area, Ordos Basin, China	
5	15:40	15:55	Jinjie Yong	The coupling mechanism between the extinction process of the residual basin and the evolution of gravity flow: a case study of the Carboniferous in the West Junggar area	
	15:55	16:05	Tea Break		
6	16:05	16:20	Jie Zhang	Yellow River ever into the south Yellow sea during the middle-early Holocene: evidence from clay provenance of the Yangtze paleo-valley	Prof. Xiumian Hu Taiju Yin
7	16:20	16:35	Jianli Zeng	Megamonsoon activity in Late Triassic Xujiahe Formation: evidence from in situ trunk fossils at GuangyuanZilanba area	
8	16:35	16:50	Qian Xiao	Upper Ediacaran carbonate tempestites in the eastern Yangtze Gorges area, South China	
9	16:50	17:05	Shuai Li	Seismic sedimentology study of Daanzhai section in Xichong-Shehong area, Sichuan Basin	

6) Deep-water deposits and paleogeography

Convenor: Youbin He, G.Shanmugam, Chenglin Gong, Hua Li

Liaison: Hua Li

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	Lijun Zhang	The youngest Dictyodora from the Late Permian deep sea in West Qinling, central China	Prof. Chenglin Gong Guangming Hu
2	14:50	15:10	Tian Yang	Sedimentary characteristics and depositional model of hyperpycnites in a lacustrine rift basin: A case study from the third member of the Eocene Shahejie Formation, Bonan Sag, Bohai Bay Basin, Eastern China	

3	15:10	15:25	Zhili Yang	The characteristics of terrigenous deep water channel in Zhongjian area	
4	15:25	15:40	Wenrui Lv	Connectivity analysis and main controlling factors of deep water turbidite reservoir: A case study of X Formation in E Oilfield, Nigeria, West Africa	
5	15:40	15:55	Mengting Tan	Characteristics and evolution of complex channel in the Ordovician Lashizhong Formation in the western margin of the Ordos Basin	
	15:55	16:05	Tea Break		
6	16:05	16:25	Jianan Wu	Deep water deposits of the Triassic in Lognwuxia region, Qinghai	Prof. Tian Yang Hua Li
7	16:25	16:40	Mei Chen	Sedimentary architecture characteristics of submarine fan lobes under the gravity flows and bottom currents—Insights from a deep-water research in East Africa	
8	16:40	16:55	Yuxi Sun	Sedimentary characteristics and evolution of interaction between gravity flow and contour current: A case study of Pingliang Formation in the southwest margin of Ordos Basin	
9	16:55	17:10	Zeyi Wei	Characteristics of trace elements in claystone and paleoenvironmental significance of Middle Ordovician Miboshan Formation of deep-water deposition in Ningxia Hui Autonomous Region	
10	17:10	17:25	Wenwen Ge	Petrological characteristics and sedimentary environment of the Upper Ordovician Pingliang Formation, southwestern margin of the Ordos Basin	

7) Lacustrine sedimentology and paleogeography

Convenors: Xiaomin Zhu, Weifeng Li, Emilie Le Pera, Yunfeng Zhang, Shengqian Liu

Liaison: Shengqian Liu

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	Xiuli Fu	Seismic sedimentological characterization of lacustrine flooding sedimentary system in northern Songliao Basin	Prof. Xiaomin Zhu Senlin Yin
2	14:50	15:10	Junhui Wang	Determination of palaeowind strength from lacustrine parameters	
3	15:10	15:25	Rui Yuan	Decomposing subpopulations from grain-size distribution based on skew normal probability distribution and their significances for sedimentary environments — A case study of modern sediments in Poyang Lake	
4	16:40	16:55	Shengqian Liu	Lacustrine carbonate depositional model of the Upper fourth Member of Shahejie Formation in Eocene Dongying depression	

5	15:40	15:55	Wei Du	Sedimentary model of shallow-water fine-grained fluvio-deltaic systems under the interplay of normal and forced lake regression: Insights from sedimentary numerical modeling and modern cases	
	15:55	16:05	Tea Break		
6	16:05	16:25	Senlin Yin	Reservoir lithofacies architecture patterns and its controlling effect on sweet spots of terrestrial mixed fine-grained rocks	Prof. Emilie Le Pera Shengqian Liu
7	16:25	16:40	Fawad Nadir	Sequence stratigraphic divisions and correlation of the middle sub-member of Eocene Shahejie Formation in the Bonan Sag of Bohai Bay Basin (China): Implication for facies and reservoir heterogeneities	
8	15:25	15:40	Yiting Liu	Discussion on long-distance transport mechanism of hyperpycnal flow: A flume experiment	
9	16:55	17:10	Xin He	The shale oil enrichment model and exploration target optimization of the Da'anzhai Member in the central Sichuan Basin, China	
10	17:10	17:25	Youxin Wu	Analysis of sedimentary microenvironment of mixed fine-grained sweet spot reservoir based on element ——A case study of Permian Lucaogou Formation in Jimsar Sag	
11	17:25	17:40	Bin Feng	Reconstruction of Ancient Source to Sink System in the Second Member of Shahejie Formation in the Miaoxibei Area, Bohai Bay Basin, East China	

8) Fine-grained sediments and paleogeography

Convenors: Rukai Zhu, Shunshe Luo, Luis A. Buatoisa, Boqiao Zhang, Shuxin Pan, Shixiang Li, Qiqi Lyu, Quansheng Cai

Liaison: Qiqi Lyu, Quansheng Cai

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	Xiangbo Li	Sedimentological response of late Triassic Carnian Pluvial Episode (CPE) in lacustrine basin: A case study from Yanchang Formation of Ordos Basin	Prof. Rukai Zhu Quansheng Cai
2	14:50	15:10	Lei Chen	Development Characteristics of Shale Lithofacies in the Longmaxi Formation and their Main Controlling Factors in the Changning Area, South Sichuan Basin, SW China	

3	15:10	15:25	Xin Chen	Impact of Pyrite on Shale Gas Enrichment-A case study of the Lower Silurian Longmaxi Formation in Southeast Sichuan Basin	
4	15:25	15:40	Weiming Yu	Study on the organic matter evolution and nano-scale pore occurrence characteristics of organic- rich shale	
5	15:40	15:55	Zisang Huang	Sedimentary environment and organic matter enrichment mechanism of Wufeng-Longmaxi shales in Upper Yangtze region	
	15:55	16:05	Tea Break		
6	16:05	16:20	Quansheng Cai	Petrological and geochemical characteristics of the Ordovician–Silurian black shale in the eastern Sichuan and western Hubei Provinces, South China: differential sedimentary responses to paleotectonism and glaciation	Prof. Massimo Moretti Shuxin Pan
7	16:20	16:35	Yarui Su	Diagenesis and reservoir characteristics of calcareous shale in Upper Es4 to Lower Es3 Members in Boxing Sag	
8	16:35	16:50	Yali Sun	Study on the coupling relationship between the lithofacies and sedimentary environment of the lime-rich mud shale in the lower Es3-upper Es4 in Boxing Sag-Taking Well Fanye 1 as an example	
9	16:50	17:05	Ruyu Wang	Gravity flow deposits in the distal lacustrine basin of the 7th reservoir group of Yanchang Formation in Ordos Basin: a case study of Comprehensive analysis of single well in Ning 228 well	
10	17:05	17:20	Yuxin Pu	Sedimentary Characteristics and Sedimentary Model of Deepwater Gravity Flow Channel of Chang 7 Oil Layer Group in Longdong Area of the Ordos Basin	

9) Sedimentary architecture and small-scale paleogeography

Convenors: Shenghe Wu, Atle Rotevatn, Chengyan Lin, Yanshu Yin, Xiaoming Zhao, Shengli Li, Baiquan Yan, Wenjie Feng

Liaison: Wenjie Feng

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	Wei Li	Sedimentary facies architecture of fluvial reservoirs in responsible for variable ratio of accommodation/sediment-supply	Prof. Chengyan Lin Ruixuan Tang
2	14:50	15:10	Zhanfeng Qiao	Lithofacies, architecture and evolution of carbonate tidal delta system of Mid-Cretaceous Mishrif Formation in Southeast Iraq: implications for reservoir heterogeneity	

3	15:10	15:25	Wei Du	How shale content influences the planform of shallow-water fine-grained fluvio-deltaic systems: Insights from sedimentary numerical modeling	
4	15:25	15:45	Li Zhang	Sedimentary architecture of shallow water deltaic distributary channels influenced by seasonal variation of paleoclimate: a case study from the Cretaceous Yaojia Formation in the southern Songliao Basin, NE China	
	15:45	16:05	Tea Break		
5	16:05	16:20	Changni Liu	Architectural model of shoal water delta-to-beach bar system -A case study of Es ₂ Formation, Shengtuo Oilfield , Dongying sag	Prof. Xiaomin Zhao Wenjie Feng
6	16:20	16:35	Lixin Wang	A MPS-based novel method of reconstructing 3D reservoir models from 2D images using seismic constraints	
7	16:35	16:50	Kaiyue Feng	Marine Shale Rock Outcrop Characterization of Doushantuo Formation in western Hubei based on UAV oblique Photogrammetric Data	
8	16:50	17:05	Yuan Qi	The Study on Four-property Relationship and Lower Limit of Effective Thickness of A Well Area in Mahu South Slope Area	
9	17:05	17:20	Jinqiang Ma	Fine Characterization of Single Sand Body in a block of Mahu Depression	

10) Paleogeography and mineral resources

Convenors: Longyi Shao, Carlos Zavala, Nan Wu, Jinxiong Luo

Liaison: Jinxiong Luo

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	Jian Deng	Characteristics and main controlling factors of dolomite reservoir of the Maokou Formation in Sichuan Basin	Prof. Longyi Shao Jinxiong Luo
2	14:50	15:10	Gangfu Hou	New discovery of sandy clastic flow sand body and its significance of oil and gas exploration in Junggar basin, NW China	
3	15:10	15:25	Haoyu Wang	Research on Shallow-Water Delta Deposits in Fault Basin: A Case on the Linhe formation of Xinglong structural belt, Hetao Basin	
4	15:25	15:40	Shun He	Geological Characteristics and Exploration Potential of Deep Shale Gas in the Silurian Longmaxi Formation in the Southern	

				Sichuan Basin, China	
5	15:40	15:55	Dawei Pang	Sedimentological and metallogenic study of bauxite deposits of the Early Carboniferous Jiujiayu Formation in central Guizhou, South China	
	15:55	16:05	Tea Break		
6	16:05	16:20	Jiajie Li	Analysis of tectonic evolution stages and numerical simulation of tectonic stress field of shale reservoir: a case study of Longmaxi formation shale in Changning area, Sichuan Basin	Prof. Huan Dong Tchameni Alain Pierre
7	16:20	16:35	Yini Liu	Characteristics carbonate ramp microfacies and impacts on favorable reservoirs	
8	16:35	16:50	Zhao Wang	Productivity prediction of strongly heterogeneous sandstone reservoirs on the basis of deep neural networks	
9	16:50	17:05	Kun Zhang	Prediction of deep carbonate reservoirs based on high-resolution seismic data: A case study of Qixia Formation in Shuangyushi area, Northwest Sichuan	
10	17:05	17:20	Zhengyu Chen	Volcanic rock reservoir characteristics and controlling factors under complex tectonic background: A case study of Che 471 well area in the southern section of Hongche fault zone	
11	17:20	17:35	Qi Wan	Mineralogical characteristics and significance of sandstone in the Permian S120 Block, Sulige Gas Field	

11) Innovational techniques and methods of paleogeographic research

Convenors: Yinye Wu, Emese Bordy, Denglin Han, Wei Lin

Liaison: Wei Lin

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
1	14:30	14:50	Senlin Yin	Multiple-point geostatistical simulation of outcrop based on UAV oblique photographic data: a case study of Shihezi Formation in Pingtuo Township, Lüliang City, Shanxi	Prof. Yinye Wu Jiwei Guo
2	14:50	15:10	OumarIbrahima Kane	Lithofacies paleogeography and implications for hydrocarbon exploration of the Ordovician strata in the Sichuan Basin, southwest China	
3	15:10	15:25	Xu Chen	3D Carbonate reef outcrop model based on UAV oblique photographic datasets Jiwangdong Section, Northeast Sichuan	

4	15:25	15:40	Yi Yi	Zircon U-Pb geochronology, geochemistry and geological implications of the Huagang formation in Xihu Sag, East China Sea	
5	15:40	15:55	Yangjun Wang	Architecture characteristics of hyperpycnal deposits: insights from numerical modeling with NSP-Grade	
	15:55	16:05	Tea Break		
6	16:05	16:20	Yulong Liu	Digitization of Outcrop Driven by DDE	Prof. Wei Lin Xing Niu
7	16:20	16:35	Yuan Wang	Palaeogeomorphology analysis and sedimentary facies characteristics of H8 of Shihezi formation in Qingshimao area, Ordos Basin	
8	16:35	16:50	Yunqian Jia	Organic Matter Differentiation Law, Pore-forming Efficiency and Its Restriction against Reservoir Quality: A Case Study Based on the Marine Shale Reservoir in the Longmaxi Formation, Southern Sichuan	
9	16:50	17:05	Xin Wang	Development Process and Formation Mechanism of Transverse Sand Bar in Delta Front Based on Physical Simulation	
10	17:05	17:20	Zhen Jin	Experimental analysis of tanks with sand deposition characteristics in the braided river delta of the second section of the Sangonghe Formation	
11	9:10	9:25	Shujie Ren	Sandstone slices image recognition based on Faster-R-CNN deep convolutional neural network	

(2) May 15 morning**1) Lithofacies paleogeography and sedimentology**

Convenors: Zhidong Bao, Changsong Lin, Changmin Zhang, Santanu Banerjee, Li Zhang

Liaison: Li Zhang

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts	
11	8:30	8:50	Castro ZarateEdith Xiadani	Microplastics abundance and metal concentrations in Miramar beach sediments, Tamaulipas, northwestern Gulf of Mexico	Prof. Carlos Zavala Luxing Dou	
12	8:50	9:10	Renchao Yang	Palaeogeographical development of two Eocene merging deltas as reconstructed from bore-hole logging and core analysis		
13	9:10	9:25	Xiangchao Meng	Differential geological response of coal seams in coal bearing sandy conglomerate and oil and gas exploration -- a case study of Jurassic Badaowan Formation in Mahu slope area		
14	9:25	9:40	Xianghui Zhang	Analysis of geometric characteristics of the modern distributive fluvial systems in Sugan Lake Basin		
15	9:40	9:55	Saiyin Hu	Influence of Lacustrine Deposition on Heihe Distributive Fluvial System		
	9:55	10:05	Tea Break			
16	10:05	10:20	Lin Li	Sedimentary and evolution characteristics of Upper Carboniferous Lower Permian in SF area of northeast margin of Ordos Basin	Prof. Renchao Yang Qinghai Xu	
17	10:20	10:35	Jinhong Guan	Characteristics of clay minerals and its effect on the resevoir in the He-8 Member of TianshengqiaoSection,Fuguarea,the northeastern Ordos basin		
18	10:35	10:50	Lijuan Liu	Sedimentary Microfacies Characteristics and Sand Body Distribution of the Second Member of Jurassic Sangonghe Formation in the South Slope Area of Mahu Sag		

8) Fine-grained sediments and paleogeography

Convenors: Rukai Zhu, Shunshe Luo, Luis A. Buatoisa, Boqiao Zhang, Shuxin Pan, Shixiang Li, Qiqi Lyu, Quansheng Cai

Liaison: Qiqi Lyu, Quansheng Cai

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
11	8:30	8:50	Shuxin Pan	seismic response characteristics of typical sublacustrine landslides in continental basins of China	Prof. Boqiao Zhang

12	8:50	9:10	Jiangyan Liu	architecture and heterogeneity of gravity flow sandbodies in chang 7 member of southwestern ordos basin	Xixin Wang
13	9:10	9:30	Xin Shan	Sea-level changes and strait topography control the distribution and facies development of the Changjiang coastal mud wedge	
14	9:30	9:45	Hao Lu	Multi-scale Quantitative Characterization and Comparison of Pore Structure Heterogeneity in Lacustrine Siliceous Shales and Argillaceous Shales of Chang 7 Formation in the Southern Ordos Basin, China	
15	9:45	10:00	Zhehan Yang	Paleogeomorphology restoration and its control on gravity flow deposition sand body: a case study of Chang 7 ₃ sub-member of Triassic Yanchang Formation in Ordos Basin	
	10:00	10:05	Tea Break		
16	10:05	10:20	Hao Huang	Sedimentary environment and climate control on organic matter enrichment: mud shale of the Late Triassic Xujiache Formation, southeastern Sichuan Basin, China	Prof. Shixiang Li
17	10:20	10:35	Kun Xu	Comparison of sedimentary paleoenvironments of source rocks of Yanchang Formation in Ordos Basin and Xujiache Formation in Sichuan Basin	
18	10:35	10:50	Yi Cai	Distinctions of shales and mudstones for Shale Oil E&P: the feature in nomenclature and classification	
19	10:50	11:05	Xiaoyan Fu	Origin of Chang 8 Crude Oil from Yanchang Formation in Pingliang Area, Southwestern Margin of Ordos Basin, China	Xixin Wang
20	11:05	11:20	Lin Wang	Lithofacies types and distribution characteristics of deep-water gravity flow sedimentary system of Chang 7 reservoir group in Ordos Basin	
21	11:20	11:35	Jiarui Li	Research progress and enlightenment of key shale tight reservoir characteristics	

9) Sedimentary architecture and small-scale paleogeography

Convenors: Shenghe Wu, Atle Rotevatn, Chengyan Lin, Yanshu Yin, Xiaoming Zhao, Shengli Li, Baiquan Yan, Wenjie Feng

Liaison: Wenjie Feng

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
10	8:30	8:50	Jiajia Zhang	Sedimentary-tectonic interaction on the growth sequence architecture within the intraslope basins of deepwater Niger Delta	Prof. Baiquan Yan
11	8:50	9:10	Zhenhua Xu	Geometric characteristics and their controlling factors of bar fingers in the shoal-water delta	

12	9:10	9:25	Qiongyuan Wu	Sedimentary characteristics and model of shallow water delta front in southern Huanghekou Sag	Xu
13	9:25	9:40	Hongguo Yan	Characteristics of single sand body in Yan7-Yan8 Reservoirs of Jurassic Yanan Formation in Yanwu area, Ordos Basin	
14	9:40	9:55	BouchakourMassine	Geomorphic variability of a submarine channel system located in a topographically complex area	
	9:55	10:05	Tea Break		
15	10:05	10:20	Shuwei Mao	Sedimentary characteristics and model of deep-seated glutenite under condition of high-frequency base-level cycle	Prof. Wenjie Feng Zhenhua Xu
16	10:20	10:35	Wendan Zhang	Alkalescent ASP Flooding Efficiency Variance Analysis of Meandering River Sand body Oil Reservoir—Taking Pl ₃ Oil Layer in a Test Area of Xingshugang Oilfield as an Example	
17	10:35	10:50	Yumeng Cui	Occurrence characteristics and influencing factors of movable fluid in different lithofacies of porous tight sandstone reservoir: a case study of Fuyu oil layer in Zhou-6 block of Sanzhao depression, Songliao Basin	
18	10:50	11:05	Wenguang Huang	Reservoir Evaluation and Characteristics of Jurassic Yan 9 ~ Yan 4 + 5 Member in Huanjiang Oilfield	
19	11:05	11:20	Fukang Ma	The sedimentary architecture and evolution process of experimental distributive fluvial system	
20	11:20	11:35	Qingshun Gong	Genesis types of tight sandstones in Zhahaquan area, Qaidam basin, NW China	

10) Paleogeography and mineral resources

Convenors: Longyi Shao, Carlos Zavala, Nan Wu, Jinxiong Luo

Liaison: Jinxiong Luo

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
12	8:30	8:50	Dawei Liu	Determining the evolution of complex diagenetic fluids in the Lower Cambrian Longwangmiao Formation, Central Sichuan Basin -Restricted by detailed petrological and geochemical evidences	Jinxiong Luo
13	8:50	9:10	Yongping Ma	Characteristics and controlling factors of glutenite reservoir rock quality of retrogradational fan delta: A case study of the Upper Wuerhe Formation of the Mahu Sag, the Junggar Basin	Yuefei Yi

14	9:10	9:25	ZhenYang	Palaeogeomorphology restoration and karst reservoir characteristics of Ordovician Ma5 member in Gaoqiao district, Northern Shaanxi province	
15	9:25	9:40	Mayla A. Ramos-Vázquez	Provenance implications of quartz grain microtextures in the Salina Cruz and Bachoco beaches, Oaxaca state, Mexican Pacific	
16	9:40	9:55	Xiang Shan	Establishment of retrograde fan delta sedimentary model of Upper Urho Formation in Junggar Basin and discovery of large stratigraphic lithologic traps	
	9:55	10:05	Tea Break		
17	10:05	10:20	Qingsong Tang	Application of seismic sedimentology and its significance in oil and gas geology: a case study of Jurassic Shaximiao Formation in Wubaochang area, Sichuan Basin	Jinxiong Luo
18	10:20	10:35	Fenglei Li	Analysis of paleokarst development characteristic controlled by Ordovician paleogeomorphology and slip fault in Tabei area	
19	10:35	10:50	Tianqi Zhou	Genetic mechanism of low resistivity shale and their implications on reservoir quality: A case study in the Southern Sichuan Basin, China	
20	10:50	11:05	Ye Tao	Main controlling factors of petroleum differential distribution in the onshore area of Niger Delta	
21	11:05	11:20	Yuheng Fu	Petrofacies Types and Geochemical Characteristics of Carbonate Source Rocks in Taiyuan Formation, Middle and Eastern Ordos Basin	Yuefei Yi
22	11:20	11:35	Shuang Mao	Evaluation of Gas hydrate Fault System: A Case from a sag in deep-water slope area of the northern South China Sea	

11)Innovational techniques and methods of paleogeographic research

Convenors: Yinye Wu, Emese Bordy, Denglin Han, Wei Lin

Liaison: Wei Lin

No.	Start Time	Ending Time	Reporters	Discussion Topics	Hosts
12	8:30	8:50	Licai Song	Global and regional drivers for the deposition of Lungmachi black shales	Zhonggui Hu
13	8:50	9:10	Dawei Cheng	The change of sedimentary environment and provenance and its tectonic significance in the early-middle Jurassic in northeastern Sichuan Basin	Wei Lin

14	17:25	17:40	Wei Zhang	Quantitative Characterization of Diagenesis Intensity and Its Application - - A Case Study of Zhuhai Formation in Baiyun Sag	
15	9:25	9:40	Rufeng Deng	Effects of palaeogeomorphology and climate on coarse clastic deposition in fan delta -- Based on the sedimentary physical simulation experiment of upper Wuerhe formation in the Zhongguai area of Junggar	
16	9:40	9:55	Siyuan Wei	Characteristics and Influence of coarse particle Sedimentation in terrestrial facies Source-Sink System: 3D tank experiments	
	9:55	10:05	Tea Break		
17	10:05	10:20	Ying Yang	High resolution time-frequency analysis method based on analytical model decomposition and its application in the prediction of carbonate rock reservoirs	Senlin Yin Jinwei Guo
18	10:20	10:35	Siyu Luo	Automatic lithology recognition of outcrop photos based on semantic segmentation algorithm	
19	10:35	10:50	Tong Yu	Sequence stratigraphy, Seismic geomorphology, Delta, Shaximiao Formation, tight sandstone reservoir	
20	10:50	11:05	Xiaohong Lei	A new method of granularity representation based on Gaussian mixture model and matrix heat map	
21	11:05	11:20	Qian Li	Application of magnesium isotope to indicate the genesis of Ediacaran dolomite in Tarim Basin	

7. Youth Excellent Paper Competition Criteria

Authors	Topic (20 points)	Science and Innovation (50 points)	Standardization (30 points)	Total (100 points)

Grading criteria:

1. Topic selection (scientific, advanced and practical, and the degree of relevance to the scope of the journal)
2. Science and innovation (adequate and rigorous arguments, reasonable analysis, innovative conclusions)
3. Standardization of the paper (reasonable structure, smooth statements, beautiful diagrams, scientific data)