



Programme

The 13th International Paleolimnology Symposium
August 4-7, 2015
Lanzhou University, Lanzhou, China

Organizer

International Paleolimnology Association

Host Institutes

- ✧ Key Laboratory of Western China's Environmental Systems (Ministry of Education),
College of Earth and Environmental Sciences, Lanzhou University
- ✧ State Key Laboratory of Lake Science and Environment, Nanjing Institute of
Geography and Limnology, Chinese Academy of Sciences

Co-host Institutes

- ✧ Institute of Geology and Geophysics, Chinese Academy of Sciences
- ✧ Institute of Tibetan Plateau Research, Chinese Academy of Sciences
- ✧ China University of Geosciences (Wuhan)
- ✧ Key Laboratory of Plateau Lake Ecology and Global Change, Yunnan Normal
University
- ✧ Environment Evolution Commission, Geographical Society of China
- ✧ Chinese Association for Quaternary Research
- ✧ National Natural Science Foundation of China



IPS2015 Timetable

4th to 7th August 2015

Venues: Plenary talks, ceremonies will be held at Meeting Hall of Feiyun Building;

Sessions will be in Lecture Hall (L. Hall), Room 114, 201 of Shaw Science Center.

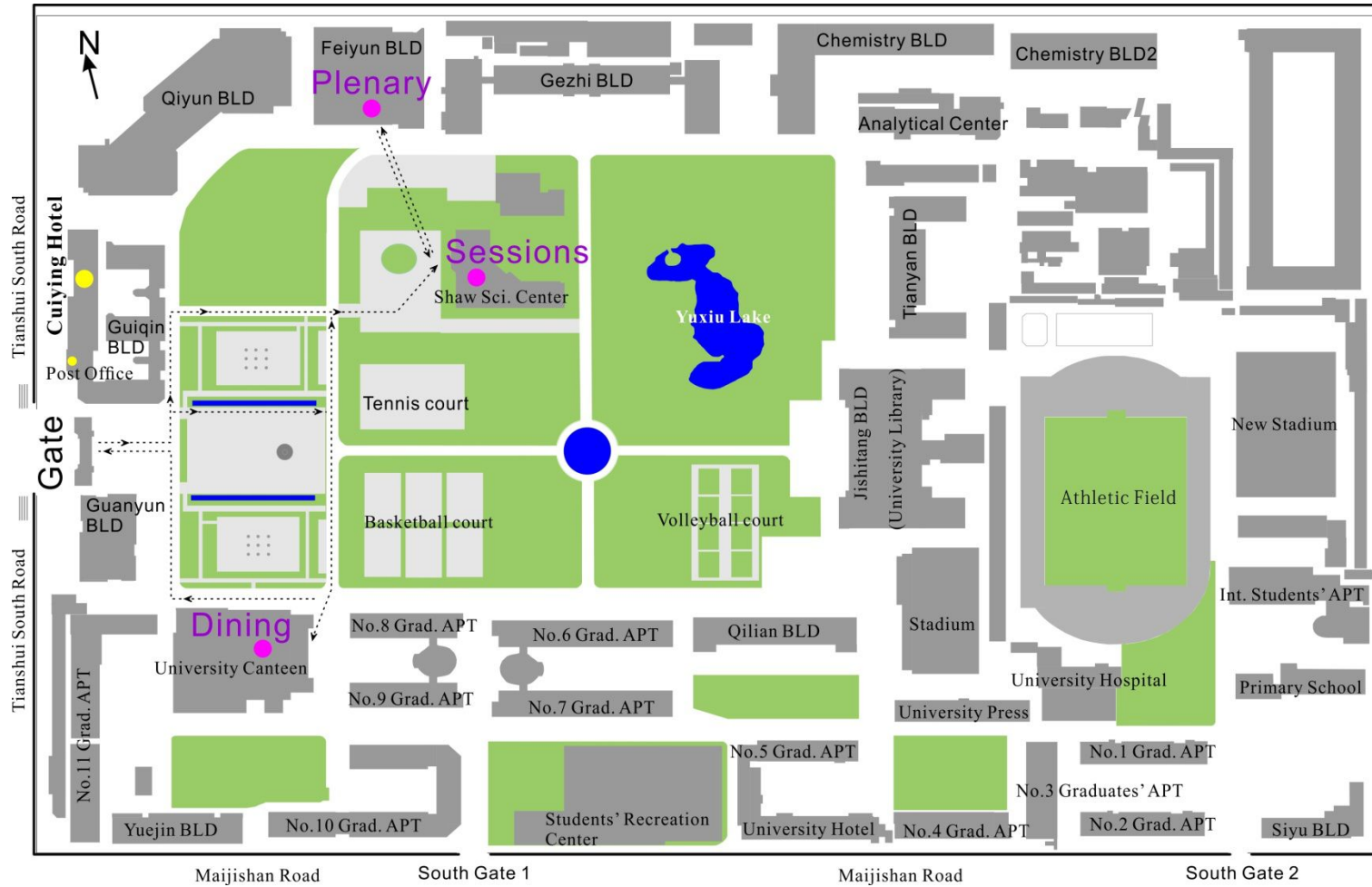
Lunch and dinner will be on 2nd floor of university canteen

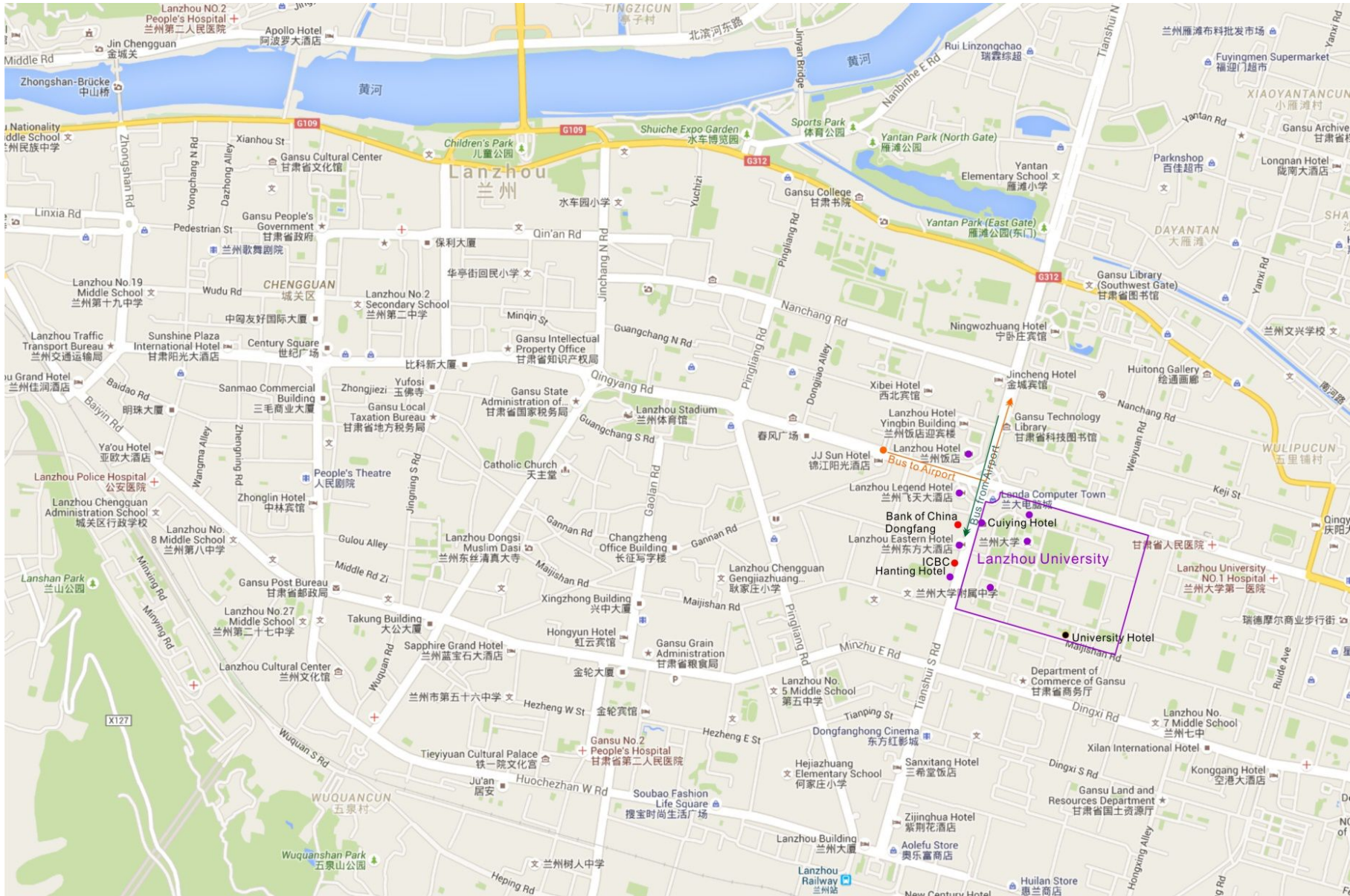
| Sunday 2 nd Aug | Monday, 3 rd Aug | Time | Tuesday, 4 th Aug | Wednesday, 5 th Aug | Thursday, 6 th Aug | Friday, 7 th Aug |
|-------------------------------|-----------------------------|-------|---|-----------------------------------|--|--|
| | | 8:30 | OPENING CEREMONY | PL2 John Smol | PL4 John Dearing | S1-KN L. Hall S11-KN Room 114 S10-KN Room 201 |
| | | 8:45 | | | | S1-01 S11-01 S10-01 |
| | | 9:00 | | | | S1-02 S11-02 S10-02 |
| | | 9:15 | PL1 Fahu Chen | PL3 Florence Sylvestre | PL5 Andrew Cohen | S1-03 S11-03 S10-03 |
| | | 9:30 | | | | S1-04 S11-04 S10-04 |
| | | 9:45 | | | | |
| | | 10:00 | Photo & Coffee | Coffee & Poster | Coffee & Poster | Coffee & Poster |
| | | 10:30 | L. Hall Room 114 Room 201 | L. Hall Room 114 Room 201 | L. Hall Room 114 Room 201 | S1-05 Room 114 Room 201 |
| | | 10:45 | S3-KN S18-KN S2-KN | S3-10 S6-KN S2-10 | S4-KN S20-KN S14-KN | S1-06 S11-05 S2-17 |
| | | 11:00 | | S3-11 S2-11 | | S12-KN S11-06 S2-18 |
| | | 11:15 | S3-01 S18-01 S2-01 | S3-12 S6-01 S2-12 | S4-01 S20-01 S14-01 | S11-07 S2-19 |
| | | 11:30 | S3-02 S18-02 S2-02 | S9-KN1 S6-02 S2-13 | S4-02 S20-02 S14-02 | S12-01 S11-08 S2-20 |
| | | 11:45 | S3-03 S18-03 S2-03 | S6-03 S2-14 | S4-03 S20-03 S14-03 | S12-02 S2-21 |
| | | 12:00 | S3-04 S18-04 S2-04 | S9-01 S6-04 S2-15 | S4-04 S20-04 S14-04 | S12-03 |
| | | 12:15 | S3-05 S18-05 | S9-02 S6-05 S2-16 | S20-05 S14-05 | S12-04 |
| | | 12:30 | Lunch & Poster | Lunch & Poster | Lunch & Poster | Lunch & Poster |
| | | 14:00 | S3-06 S18-06 S2-06 | S9-KN2 S6-06 S13-KN | City Tour | Posters |
| | | 14:15 | S3-07 S18-07 S2-07 | S6-07 S13-01 | | PL6 Zhisheng An 14:45-15:30 |
| | | 14:30 | S3-08 S18-08 S2-08 | S9-03 S5-KN S13-02 | | Coffee break 15:30-16:00 |
| | | 14:45 | S3-09 S18-09 S2-09 | S9-04 S13-02 | | CLOSING CEREMONY |
| | | 15:00 | Coffee & Poster | Coffee & Poster | | |
| | | 16:00 | Lifetime achievement awards | S15-KN S5-01 S13-03 | | |
| | | 16:15 | Outstanding service awards | S5-02 S13-04 | | |
| | | 16:30 | ceremony | S15-01 S5-03 S13-05 | | |
| | | 16:45 | | S15-02 S5-04 S13-06 | | |
| | | 17:00 | | S15-03 S5-05 S13-07 | | |
| | | 17:15 | | S15-04 S5-06 S13-08 | | |
| | | 17:30 | | S15-05 S5-07 S13-09 | | |
| | | 17:45 | | S15-06 S5-08 S13-10 | | |
| | | 18:00 | | S15-07 | | |
| | | 18:15 | | | | |
| | | 18:30 | Celebration LAA & OSA | Dinner | Dinner | Dinner |
| | | 19:00 | | | | |

| Shaw S.C. Lobby | Shaw S.C. Room 201 | Qilian BLD Room 501, 502 | Shaw S.C. Lobby |
|-----------------|--|--|-----------------|
| Registration | Pages Workshop 10:00-16:00 Peter Gell | ECR Workshop 10:00-16:30 Virginia Panizzo | Registration |
| | Lunch 12:30-13:30 | | |

Icebreaker & dinner

Map of Lanzhou University Campus and nearby area





Notes for delegates

- After arrival at the Lanzhou Zhongchuan International Airport (LHW), our staff will help you to find the shuttle bus to Lanzhou Eastern Hotel (also called Dongfang Hotel, see map). The price is 30 RMB (this is highly recommended). Our volunteers can provide help if you have difficulty to find your hotel and the Shaw Science Center for registration.
- Your name tag will be requested whenever entering the university main gate, conference halls/rooms, and dining rooms during the symposium period.
- You should be clever enough to cross the street in Lanzhou (and other cities in China as well). **Look around and be very careful even when the traffic light is green (!!)**.
- There is an underground passage at northern corner of Cuiying Hotel to Lanzhou Legend Hotel. Those who live in Lanzhou Hotel and Legend Hotel, please choose this safe route to cross the street.
- Please note that the shuttle bus leaving from Lanzhou University to the airport (every 20 mins) is located at a different place with your arriving (see the map for details). The taxi price should be about 180~200 RMB. The train station is about 1.5 km south to the university gate. You can take bus No. 1 at Lanzhou University and take off at the second stop.
- If you have an emergency, please call 110 (police), 119 (fire), 120 (ambulance), or any of our staff listed in the contact information page.

Venues and functions:

Lobby of Shaw Science Center: Registration, Sponsors desk, coffee, All Posters

Meeting Hall of Feiyun Building: Opening/Closing Ceremony, Plenary talks, Lifetime

Achievement Awards, Outstanding Service Awards

Lecture Hall, Room 114, and Room 201 of Shaw Science Center,

Sessions, oral presentations

University Canteen, 2rd floor: lunch, dinner (Aug. 3 - 7)

Notes for Presentations

Those who had selected a 'talk or poster' in the registration have been scheduled as oral presentations. For your convenience of preparing your PowerPoint (PPT) slides, the lengths of the presentations are:

- 1) **Plenary presentations**, limited to 45 minutes (including question time);
- 2) **Keynote presentations**, limited to 30 minutes (including question time);
- 3) **Ordinary oral presentations**, limited to 15 minutes (including question time).

The computer used for presentations will have 'Microsoft PowerPoint 2010' and the Windows 7 operation system, please double check if your PPT file could work in such a system. Copy your PPT to a USB drive and bring it to the register desk.

Those who had selected a 'poster' during registration will be assigned for poster presentations. The size of your poster is: one standard A0 Page, with Width X Length=841mm X 1189mm, please pay attention to this size limit when editing and printing your posters. All poster can be put on assigned place since 3rd of August.

Staff Contact Information

- **General secretary**

Jiawu Zhang: 13893227016

Cheng Zhao: 18551843770

- **Accommodation & Dining**

Jianjun Li: 13609338302

- **Registration**

Aifeng Zhou: 13893612602

Dongju Zhang: 13639318196

- **Presentation equipment**

Haitao Wei: 13893180783

Wei Huang: 18394000606

- **Excursions**

Dunsheng Xia (6-day post-conference trip): 13893165769

Mingrui Qiang (Qinghai Lake): 13919100295

Plenary Presentations

| Code | Time and Date | Speaker name and Title of presentation | Chairs | Location |
|------|-------------------------|--|------------------------------|--|
| PL1 | 9:15-10:00, Aug.,4 | Fahu Chen: Paleolimnology research in China and a case study of East Asian summer monsoon precipitation variability during the Holocene and the last deglaciation | Ji Shen & Mark Brenner | <u>Meeting Hall of Feiyun Building</u> |
| PL2 | 8:30-9:15, Aug., 5 | John Smol: Biovectors, multiple stressors and lake sediments: Is paleolimnology for the birds? | Helen Bennion & Hucai Zhang | |
| PL3 | 9:15-10:00, Aug., 5 | Florence Sylvestre (presented by Rick Battarbee): Key-note on the achievements of Françoise Gasse | | |
| PL4 | 8:30-9:15, Aug., 6 | John Dearing: Sediments and sustainability: palaeolimnological studies of Chinese social-ecological systems | Jonathan Holmes & Cheng Zhao | |
| PL5 | 9:15-10:00, Aug., 6 | Andrew Cohen: Lakes and watersheds in "Deep Time": Interpreting ecological and evolutionary history using drill core records from lakes | | |
| PL6 | 16:00-16:45, Aug., 7 | Zhisheng An: The scientific achievements of Continental Environmental Scientific Drilling (CESD) in China | Steve Colman | |

◆ Session list

| Pre-symposium workshops | | | |
|-------------------------|--|---|--|
| Session No. | Title | Conveners | Date & Venue |
| 1 | The International Paleolimnological Association (IPA), Early Career Workshop 2015 | Virginia Panizzo & Catherine Dalton | Aug., 3, Room 501, 502 |
| 2 | Aquatic Transitions-A Past Global Changes (PAGES) Working Group | Peter Gell | Aug., 3, Room 201 |
| Sessions for IPS2015 | | | |
| Session No. | Title | Conveners | Date & Location (for talks) |
| S1 | General Paleolimnology (Environmental Change, Recovery) | Catherine Dalton & Yan Zhao | Aug., 7, Lecture Hall of Shaw Science Center (SSC) |
| S2 | Lake Sediments as Recorders of Human-Environment Interactions | Aubrey Hillman & Mark Abbott | Aug., 4, 5 7. Room 201, SSC |
| S3 | Climate and Environmental Changes in Arid Central Asia and its Adjacent Area: Quaternary Lake Records and Current Trends | Fahu Chen, Steffen Mischke, Chengjun Zhang & Cheng Zhao | Aug., 4, 5 Lecture Hall |
| S4 | Progress and New Advances from Lake Drilling for Paleoclimate Records | Steve M. Colman | Aug., 6, Lecture Hall |
| S5 | Asian Monsoon Evolution and Dynamics as Recorded from Lake Sediments | Ji Shen, Jule Xiao, Selvaraj Kandasamy | Aug., 5, Room 114 |
| S6 | From Lakes to Peatlands: Peat-based Proxies for Environmental Reconstructions | Zicheng Yu | Aug., 5, Room 114 |
| S7 | Late Quaternary Climate-Critical Zone Processes: Lacustrine Sediment Geochemical Proxies | | It was combined with Session 5 |
| S8 | New Advances in Applied Stable Isotopes | | It was combined with Session 9 |
| S9 | Advances in Stable Isotopes and Their Application in Paleoenvironmental Reconstructions | Maarten van Hardenbroek, Virginia Panizzo & Jonathan Holmes | Aug., 5, Lecture Hall |
| S10 | Recent Advances of Biomarkers and their Applications in Paleolimnology | Zhonghui Liu, Juzhi Hou, & Guoqiang | Aug., 7 Room 201 |

| | | Chu | |
|------------|--|---|-----------------------|
| S11 | Paleolimnological Perspective on Climatic and Environmental Changes from Tibetan and Alpine Lakes | Liping Zhu, Antje Schwalb, & Gerhard Daut | Aug., 7, Room 114 |
| S12 | Late Quaternary Chronology of Luminescence and radiocarbon dating for lacustrine sediments | Zhongping Lai, Shenghua Li, David Madsen, & Jan-Pieter Buylaert | Aug. 7, Lecture Hall |
| S13 | Biological Proxy Evidence of Ecological and Environmental Changes, and Quantitative Reconstruction Methods (Including Pollen, Diatom, Chironomids, Ostracods, Cladocera, etc.) | John Anderson, Xiangdong Yang, Jiawu Zhang , & Xuhui Dong | Aug., 5, Room 201 |
| S14 | Putting the Ecology into Paleoecology: Going Beyond Transfer Functions | Carl Sayer & Helen Bennion | Aug 6, Room 201 |
| S15 | Integrating Lake Sediment and Other Records as a Foundation for Understanding the Functioning of Regional Social-Ecological Systems | John A. Dearing, Peter Gell, Wenxin Ning, & Patrick Rioual | Aug., 5, Lecture Hall |
| S16 | Land-Sea-Human Interactions as Inferred from Historical Documents, Models, and Proxy Records | | Combined |
| S17 | Priority Issues in Paleolimnology: Ecosystem Processes & Biogeochemical Cycling | | Combined with S18. |
| S18 | Climatic, Environmental, and Ecological Changes in Polar and High-latitude Regions | John Smol, & Xiaodong Liu | Aug. 4, Lecture Hall |
| S19 | Global Warming and Its Impact Recorded by High-resolution Paleolimnology | | Combined |
| S20 | Paleolimnology and Lake Ecology in Southeastern Asia | Hucai Zhang, Guangjie Chen, Caiming Shen, & Bernd Wuennemann | Aug., 6, Room 114 |

Sunday, August 2

- ◆ **Registration: Lobby of Shaw Science Center**

Whole day (10:00-18:00)

Monday, August 3

- ◆ **Registration: Lobby of Shaw Science Center**

Whole day (9:00-22:00)

- ◆ **Two pre-symposium workshops:**

- ✧ **Early Career Researcher Workshop, Room 501, 502, Qilian Building**

Organized by Virginia Panizzo & Catherine Dalton

Time: 10:00-17:00

- ✧ **Aquatic Ecosystem Transition, Pages Workshop, Room 201, Shaw Science Center**

Organized by Peter Gell

Time: 10:00-16:00

- ◆ **Icebreaker & dinner (18:00-20:00), 2rd floor, University Canteen**

Schedule for oral presentations

Tuesday, August 4

- ◆ Opening ceremony (8: 30- 9:15), Meeting Hall of Feiyun Building, Chaired by Ji Shen & Mark Brenner

- ◆ Welcome Speech by Chairman of IPA, John Smol (10 mins)

Welcome Speech by President of Lanzhou University (15 mins)

Report by Fahu Chen, Chair of Local Organizing Committee (10 mins)

- ◆ Plenary talk 1 (Fahu Chen) (9:15-10:00), Meeting Hall of Feiyun Building

Title: Paleolimnology research in China and a case study of East Asian summer monsoon precipitation variability during the Holocene and the last deglaciation

- ◆ Photo and coffee break (10:00-10:45)

- ◆ Sessions (Students are highlighted by red and underline)

Lecture Hall of Shaw Science Center, Tuesday, August 4

| Code/Time | Chair | Speaker Name & Title |
|-----------------------------|------------------|--|
| S3-KN 10:45-11:15 | Fahu Chen, | Leroy Suzanne: Profound environmental changes in the Caspian Sea and its surrounding during the Holocene |
| S3-01 11:15-11:30 | Steffen Mischke, | Fenglin Lv*: Late Holocene cooling event revealed by Mirabilite sediments in Lop Nur, Tarim Basin, northwestern China |
| S3-02 11:30-11:45 | Chengjun Zhang & | Chun Xi: Late Quaternary lake level variability in Qehan Lake Basin, North China |
| S3-03 11:45-12:00 | Cheng Zhao | Zhitong Yu*: Carbon burial in the Bosten Lake over the past century: impacts of climate change and human activity |

| | | |
|----------------------------------|-----------------------------------|--|
| S3-04 12:00-12:15 | | Can Zhang* : An end-member-based paleofloods record from lake sediments of Tianchi Lake, Gansu Province, China and its possible relationship with monsoon change during the late Holocene |
| S3-05 12:15-12:30 | | Xiaonan Zhang* : Climate change and geochemical record in arid eastern-Central Asia during the Last Glaciation (51,300-25,300 Cal yr BP) in Ulungur Lake, Western China |
| <u>Lunch & Poster</u> | | |
| S3-06 14:00-14:15 | | Heinecke Liv* : A multiproxy case study from Lake Karakul, Tajikistan: 29 kyr BP of climatic and environmental change |
| S3-07 14:15-14:30 | Fahu Chen, Steffen Mischke, | Guoqiang Li : Late Quaternary lake evolution in the Gaxun Nur Basin, central Gobi Desert, China based on Quartz OSL and K-feldspar pIRIR dating of paleoshorelines |
| S3-08 14:30-14:45 | Chengjun Zhang & | Chengbang An : The last 21 kyr temperature and terrestrial vegetation variations in the Lake Balikun |
| S3-09 14:45-15:00 | Cheng Zhao | Duo Wu* : Asian summer monsoon evolution since the last glacial maximum documented by lake sediments from Lake Dalianhai, northwestern Tibetan Plateau |

Room 114 of Shaw Science Center, Tuesday, August 4

| Code/Time | Chair | Speaker Name & Title |
|----------------------------------|------------------------------|--|
| S18-KN 10:45-11:15 | | Rühland Kathleen : A moving target: Determining our industrial footprint in climatically-sensitive northern regions |
| S18-01 11:15-11:30 | | Stevenson Mark* : Holocene lake carbon cycling in an active Arctic landscape, Disko Island, West Greenland |
| S18-02 11:30-11:45 | | Yuesong Gao* : Sedimentary Environment and Climate Change in Grande Valley, Fildes Peninsula, Antarctica |
| S18-03 11:45-12:00 | John Smol, & Xiaodong Liu | Mikomagi Annika* : Changes in algal communities and productivity in two Icelandic lakes assessed by sedimentary pigments, biogenic silica and element chemistry |
| S18-04 12:00-12:15 | | Luszczek Chris* : Temperature driven shifts in Chironomid composition and nutrient regime in a Northern Manitoba Boreal Forest Lake |
| S18-05 12:15-12:30 | | Xiaodong Liu : Extremely high $\delta^{13}\text{C}_{\text{org}}$ in lacustrine sediments of East Antarctica and environmental implication |
| <u>Lunch & Poster</u> | | |

| | | |
|-----------------------|------------------------------|--|
| S18-06 14:00-14:15 | John Smol, & Xiaodong Liu | Kui Hu* : Significant algal responses to changes in nutrients and hydro-climatic conditions over the past century in a large and shallow lake of Southwest China |
| S18-07 14:15-14:30 | | Kristen Beck* : El Nino-Southern Oscillation driven climate, fire and catchment dynamics in Tasmania: Understanding complex responses to long term natural variability of terrestrial-aquatic ecosystems_ |
| S18-08 14:30-14:45 | | Wenxin Ning* : Coastal environmental changes over the last 5500 years based on a multi-proxy reconstruction: a case study from SE Swedish coast |
| S18-09 14:45-15:00 | | Maarten van Hardenbroek : Holocene greening affects productivity and diversity of two Alaskan lakes: implications for a changing Arctic |

Room 201 of Shaw Science Center , Tuesday, August 4

| Code/Time | Chair | Speaker Name & Title |
|----------------------------------|------------------------------------|--|
| S2-KN 10:45-11:15 | Aubrey Hillman & Mark Abbott | Mark Brenner : The History of Paleolimnological Study in the Maya Lowlands |
| S2-01 11:15-11:30 | | Bing Li : Environmental evolution of eastern Taihu Plain during the Holocene achieved by Pingwang core |
| S2-02 11:30-11:45 | | Walter Doerfler : Times of change versus times of stability - a multidisciplinary study on Lake Woserin in Northern Germany |
| S2-03 11:45-12:00 | | Yanjie Zhao* : Modes of Regime Shifts detected in Taibai Lake in the Past Century |
| S2-04 12:00-12:15 | | Giri Kattel : Cladoceran-inferred hydrological and ecological alterations of floodplains wetlands of the Murray and Yangtze Rivers in Australia and China |
| <u>Lunch & Poster</u> | | |
| S2-06 14:00-14:15 | Aubrey Hillman & Mark Abbott | Malgorzata Kinder : A multi-proxy record of climate and human impact on northeastern Poland during the last 8,500 years: a case of varved sediments from Lake Szurpily_ |
| S2-07 14:15-14:30 | | Lei Xu* : Sedimentary record of environmental changes in East Dongting Lake during the past 60 years |
| S2-08 14:30-14:45 | | Jamie Summers* : Identifying drivers of enhanced lake production in the Athabasca Oil Sands Region, Alberta, Canada |
| S2-09 14:45-15:00 | | Neal Michelutti : Tracking the impacts of Dorset Palaeoeskimo occupation on freshwater lakes at Port au Choix, Newfoundland, |

| | | |
|--|--|--------|
| | | Canada |
|--|--|--------|

15:00-16:00: Coffee break+ Poster

- ◆ **16:00-18:00: Lifetime achievement awards (LAA) and outstanding service awards (OSA) ceremony (take photos) (Chaired by John Smol)**

Outstanding Service Awards

- ✧ **Richard Niederreiter** – introduced by John Smol
- ✧ **Steve Juggins** – introduced by John Birks

Lifetime Achievement Awards

- ✧ **Richard Battarbee** –introduced by John Birks
- ✧ **Hilary Birks** –introduced by John Smol
- ✧ **Roger Flower** –introduced by Helen Bennion
- ✧ **Pierro Guilizzoni** –introduced by Mark Brenner
- ✧ **Alayne Street-Perrott** –introduced by Jonathan Holmes

- ◆ **18:30-20:00**

Official dinner to celebrate the winners of the Lifetime Achievement Awards and Outstanding Service Awards

Wednesday, August 5

◆ **Plenary talks, Chaired by Helen Bennion & Hucai Zhang**

Plenary talk 2 (John Smol) (8:30-9:15)

Title: Biovectors, multiple stressors and lake sediments: Is paleolimnology for the birds?

Plenary talk 3 (Florence Sylvestre, presented by Rick Battarbee) (9:15-10:00)

Title: Key-note on the achievements of Françoise Gasse

◆ **Coffee & poster (10:10-10:45)**

◆ **Sessions**

Lecture Hall of Shaw Science Center, Wednesday, August 5

| Code/Time | Chair | Speaker Name & Title |
|----------------------------------|---|--|
| S3-10 10:45-11:00 | Fahu Chen, Steffen | Krivosogov Sergey: New data on lake evolution in northern Central Asia |
| S3-11 11:00-11:15 | Mischke, Chengjun | Shiyong Yu: BEMMA: A Hierarchical Bayesian End-Member Modeling Analysis of Sediment Grain-Size Distributions |
| S3-12 11:15-11:30 | Zhang & Cheng Zhao | Zhilich Snezhana*: The Holocene environmental changes in the arid and semiarid regions of West Siberia inferred from lake sediments |
| S9-KN1 11:30-12:00 | Maarten van Hardenbroek, | Schwalb Antje: Stable isotopes in Paleolimnology – a versatile tool to address and solve environmental questions |
| S9-01 12:00-12:15 | Virginia Panizzo & Jonathan | Xiangchao Chen*: The quality of organic matter in surface sediments of Lake Fuxian, a deep oligotrophic lake in southwest China |
| S9-02 12:15-12:30 | Holmes | Jonathan Holmes: Reconstructing the oxygen-isotope composition of precipitation using lacustrine carbonate |
| <u>Lunch & Poster</u> | | |
| S9-KN2 14:00-14:30 | Maarten van Hardenbroek, Virginia | Andrew Henderson: Laying the foundations: mechanistic understanding of isotope (palaeo)limnology for reconstructing past climates |
| S9-03 | Panizzo & | Langdon Peter: A palaeolimnological reconstruction of Atlantic |

| | | |
|------------------------------|-----------------------------------|---|
| 14:30-14:45 | Jonathan Holmes | salmon populations over the last 2000 years reveals climate as a primary driver |
| S9-04 14:45-15:00 | | Virginia Panizzo: Using silicon isotope geochemistry to interpret biogeochemical cycling in lakes: a case study from Lake Baikal, Siberia |
| Coffee & Posters | | |
| S15-KN 16:00-16:30 | | Jean-Philippe Jenny*: Paleolimnological evidence of global spread of hypoxia in freshwaters caused by local anthropogenic pressures |
| S15-01 16:30-16:45 | | Peter Gell: Sediments synthesize evidence for ecosystem transition in the Murray Darling estuary, Australia. |
| S15-02 16:45-17:00 | | Jiaoyuan Wang *: Sediment evidences of hydrological regulation and ecological changes in Haixihai Lake, Southwest China |
| S15-03 17:00-17:15 | John A. Dearing, | Heather Moorhouse*: Landscape-scale palaeolimnology in lakes of the Windermere catchment to identify drivers of limnological change from the 19th century. |
| S15-04 17:15-17:30 | Peter Gell, Wenxin Ning, &Patrick | Tim Patterson: Influence of ocean-atmospheric oscillations on regional hydroecology in eastern North America derived from citizen scientist collected lake "ice out" records |
| S15-05 17:30-17:45 | Rioual | Haibin Shi*: Regional pattern of Bosmina responses to fish introduction and eutrophication in four large lakes from Southwest China |
| S15-06 17:45-18:00 | | Branaavan Sivarajah*: Climate warming and not nitrogen deposition drive recent increases in Asterionella formosa populations in a boreal lake |
| S15-07 18:00-18:15 | | Clare Nelligan*: Is climate warming altering nutrient-oxygen dynamics in Canadian Lake Trout lakes? |

Room 114, Shaw Science Center, Wednesday August 5

| Code/Time | Chair | Speaker Name & Title |
|-----------------------------|------------|---|
| S6-KN 10:45-11:15 | | Edyta Zawisza: How lakes become dystrophic - paleolimnological history of the Suchar IV lake (NE Poland). |
| S6-01 11:15-11:30 | Zicheng Yu | Xing Wei*: Development, carbon accumulation and its divers of a temperate peatland in northeast China over the past 6000 yr |
| S6-02 11:30-11:45 | | Zhenqing Zhang: The peatlands developing history in the Sanjiang Plain, NE China, and its response to East Asian monsoon variation |
| S6-03 | | Meiling Man*: Paleoenvironment changes of the past 21ka inferred |

| | | |
|-----------------------------------|---|---|
| 11:45-12:00 | | from a geochemical record in Southern China |
| S6-04 12:00-12:15 | | Kunshan Bao: Anthropogenic, diagenetic and atmospheric soil-derived sources of lead to an alpine poor fen in northeast China |
| S6-05 12:15-12:30 | | Hongye Liu*: Phytolith and diatom documented the postglacial climate change in the Dajiuhe peatland, central China |
| <u>Lunch & Poster</u> | | |
| S6-06 14:00-14:15 | Zicheng Yu | Lin Zhao*: Investigation of peat sediments from the Daiyun Mountain in the southeast China: late Holocene vegetation, climate and human impacts |
| S6-07 14:15-14:30 | | Hongkai Li*: A testate amoebae transfer function from Sphagnum-dominated peatlands in the Lesser Khingan Mountains, NE China |
| S5-KN 14:30-15:00 | Ji Shen & Jule Xiao | Yongbo Wang: Coherent tropical-subtropical Holocene moisture seesaw pattern within the eastern Hemisphere monsoon systems |
| <u>Coffee & Poster</u> | | |
| S5-01 16:00-16:15 | Ji Shen, Jule Xiao, & Selvaraj Kandasamy | Selvaraj Kandasamy: A 14.7 Ka Record of Earth's Surface Processes from the Arid-Monsoon Transitional China |
| S5-02 16:15-16:30 | | Baozhi Lin*: Lacustrine geochemical evidence for a wetter climate ca. 1840-1900 in Southeast China |
| S5-03 16:30-16:45 | | JunQing Yu: Climate evolution during the last deglaciation: multi-proxy records from sediment cores from lakes near the margin of the Asian summer monsoon |
| S5-04 16:45-17:00 | | Ji Shen: Reconstructing mid- late Holocene East Asian monsoon variability in the Jingpo Lake, Northeastern China |
| S5-05 17:00-17:15 | | Gerd Gleixner: Late Quaternary Asian monsoon dynamics recorded in Tibetan lake systems by compound specific isotopes of terrestrial and aquatic biomarkers |
| S5-06 17:15-17:30 | | Suzhen Liu*: Insolation driven biomagnetic response to the Holocene Warm Period in semi-arid East Asia |
| S5-07 17:30-17:45 | | Hong Yan: Dynamics Of The Intertropical Convergence Zone Over The Western Pacific During The |
| S5-08 17:45-18:00 | | Yuanfu Yue: Vegetation Response to the Subtropical Climate Changes since the Last Glacial Period in South China |

Room 201, Shaw Science Center, Wednesday, August 5

| Code/Time | Chair | Speaker Name & Title |
|-------------------------------------|---------------------------------|--|
| S2-10 10:45-11:00 | Aubrey Hillman & Mark Abbott | Wengang Kang* : Ecological responses to eutrophication and water-level fluctuation inferred from diatom communities over the last 200 years in Lake Xihu, Yunnan |
| S2-11 11:00-11:15 | | Yanmin Cao : Assemblage and morphological-level responses of chironomids archived by sediments in a eutrophicated and heavy metal polluted Chinese lake |
| S2-12 11:15-11:30 | | Mario Morellon : Climate vs human interactions in the central Mediterranean region during the last millennia: the varved, multiproxy record of Lake Butrint (Albania) |
| S2-13 11:30-11:45 | | Zhenke Zhang : Paleolimnological study of a present reservoir sediment records and its response to the floods in Yi-shu River basin, East China |
| S2-14 11:45-12:00 | | Min Xu* : Recent sediment rates of shallow lakes in the lower reach of the Yangtze River: pattern, controlling factors and implication for lake management |
| S2-15 12:00-12:15 | | Zeng Yan : "The wet Little Ice Age" recorded by sediments in Huguangyan Lake, tropical south China |
| S2-16 12:15-12:30 | | Euan Reavie : We reduced nutrient loads, so why isn't the lake getting better? Answers from a combined paleolimnology-nutrient budget approach |
| <u>Lunch & Poster</u> | | |
| S13-KN 14:00-14:30 | John Anderson, | John Anderson : Nitrogen, epistemology and quantitative palaeolimnology |
| S13-01 14:30-14:45 | Xiangdong Yang, Jiawu | Yansheng GU : Late Pleistocene-Holocene stratigraphy and sedimentary evolution in the coastal Xixi Wetland, eastern China |
| S13-02 14:45-15:00 | Zhang , & Xuhui Dong | Falko Turner : Modern and fossil chironomid assemblages from Taro Co (Tibetan Plateau): Evaluation of organism-based lake-level reconstructions from a large and deep alpine lake |
| <u>Coffee & Poster</u> | | |
| S13-03 16:00-16:15 | | Xuhui Dong : Using sedimentary diatoms to identify reference conditions and the historical variability for shallow lakes in the Yangtze floodplain |

| | | |
|-----------------------|---|--|
| S13-04 16:15-16:30 | John Anderson, Xiangdong Yang, Jiawu Zhang , & Xuhui Dong | Chunhai Li: Study of modern pollen and stomata from surficial lacustrine sediments from the eastern edge of Tibetan Plateau, China |
| S13-05 16:30-16:45 | | Richard Telford: What do statistical tests of the significance of transfer-function derived reconstructions tell us? |
| S13-06 16:45-17:00 | | Linghan Zeng*: Sedimentary diatom inferred environmental changes in Futou Lake (central China) since the 1950s |
| S13-07 17:00-17:15 | | Suzanne Leroy: The timing of aragonite deposition in the Dead Sea basin – New insights from palynological analysis |
| S13-08 17:15-17:30 | | Qian Wang: Seasonal diatom variability and Holocene environmental inferences in a sub-tropical deep, alpine lake (Lugu Hu, Yunnan, SW China) |
| S13-09 17:30-17:45 | | Marcella Marina Manca: Not only Cladocera: what we can learn from Rotifer Resting Eggs (RRE) in sediment cores from deep lakes |
| S13-10 17:45-18:00 | | Chen Xu: Three-decade diatom changes in sediments from two large shallow lakes (Chaohu Lake and Dongting Lake), the Yangtze floodplain (SE China): implications for hydrology and nutrient dynamics |

◆ 18:30-20:00

Dinner

Thursday, August 6

◆ 8:30-10:00 Plenary talks, Chaired by Jonathan Holms & Cheng Zhao

Plenary talk 4 (John Dearing) (8:30-9:15)

Title: Sediments and sustainability: palaeolimnological studies of Chinese social-ecological systems

Plenary talk 5 (Andrew Cohen) (9:15-10:00)

Title: Lakes and watersheds in "Deep Time": Interpreting ecological and evolutionary history using drill core records from lakes

◆ **Coffee break & poster (10:00-10:45)**

◆ **Sessions**

Lecture Hall of Shaw Science Center, Thursday, August 6

| Code/ Time | Chair | Speaker Name & Title |
|-----------------------------|--------------|---|
| S4-KN 10:45-11:15 | Steve Colman | James Russell: Continental Scientific Drilling for Paleoclimate |
| S4-01 11:15-11:30 | | Steve Colman: A Look Back on Lake Drilling for Paleoclimate Records |
| S4-02 11:30-11:45 | | Blas Valero-Garces: Revising Titicaca: Depositional evolution through integrated sedimentary facies analysis |
| S4-03 11:45-12:00 | | Anders Noren: CSDCO and LacCore: Infrastructure for Drilling and Coring |
| S4-04 12:00-12:15 | | Gerhard Daut: Towards an ICDP drilling at Lake Nam Co (Tibet). |

Room 114, Shaw Science Center, Thursday, August 6

| Code/ Time | Chair | Speaker Name & Title |
|------------------------------|--------------------------------|---|
| S20-KN 10:45-11:15 | Hucai Zhang, Guangjie Chen, | Hucai Zhang: Wax and wane of the Indian Monsoon during last 60ka |

| | | |
|-----------------------|------------------------------------|---|
| S20-01 11:15-11:30 | Caiming Shen, & Bernd Wünnemann | Bernd Wünnemann: Lake-catchment interaction: challenges for evaluating lake records |
| S20-02 11:30-11:45 | | Yanyuan Liu*: Sensitivity and responses of diatom and cladocera to multiple environmental stressors in Xingyun Lake, Southwest China |
| S20-03 11:45-12:00 | | Sandra Böddeker: When less is more: identifying anthropogenic impacts in highly dynamic and high sedimentation environments (Thi Vai River and Can Gio Mangrove Forest, Southern Viet Nam) |
| S20-04 12:00-12:15 | | Bohra Archana*: Late Quaternary climatic history of the Yunam Basin, Upper Lahaul Valley, India |
| S20-05 12:15-12:30 | | Hucai Zhang: Multi-laboratory tests on the reliability and accuracy of OSL dating on the Shell Bar section in the Qaidam Basin, Northeastern Tibetan Plateau |

Room 201, Shaw Science Center, Thursday, August 6

| Code/ Time | Chair | Speaker Name & Title |
|------------------------------|---|--|
| S14-KN 10:45-11:15 | | McGowan Suzanne: Putting the ecology into palaeoecology: going beyond transfer functions |
| S14-01 11:15-11:30 | | Agata Marzecova*: Ecological responses of a shallow boreal lake to biomanipulation and catchment land-use: integrating paleolimnological evidence with information from limnological surveys and maps |
| S14-02 11:30-11:45 | Helen Bennion & Irene Gregory-Eaves | Irene Gregory-Eaves: Blending paleolimnological analyses with contemporary studies to generate a holistic understanding of how water level management influences the structure and functioning of temperate and boreal reservoirs |
| S14-03 11:45-12:00 | | Izzy Bishop*: How effective are plant macrofossils as a proxy for macrophyte presence/abundance? The case of <i>Najas flexilis</i> in Scotland, UK. |
| S14-04 12:00-12:15 | | Helen Bennion: Harnessing the potential of the multi-indicator palaeoecological approach: an assessment of the nature and causes of ecological change in a eutrophic shallow lake |
| S14-05 12:15-12:30 | | Lucia Lencioni*: Recent responses of freshwater Scottish lochs to changes in nutrient loading and climate change |

◆ Afternoon

City tour: Meeting at the main gate of Lanzhou University, inside campus

Landform, Yellow River Terraces, north of Lanzhou

◆ Dinner

Friday, August 7

Morning:

◆ Sessions (8:30-12:30)

Lecture Hall of Shaw Science Center, Friday, August 7

| Code/Time | Chair | Speaker Name & Title |
|------------------------------|---|--|
| S1-KN 8:30-9:00 | Catherine Dalton & Yan Zhao | Guangjie Chen: Paleolimnology in the Anthropocene world: sediment evidences from highly stressed lakes in Southwest China |
| S1-01 9:00-9:15 | | Mareike Schmidt*: A 17 kyr history of Lake Kushu from Rebun Island in northern Japan |
| S1-02 9:15-9:30 | | Graham Mushet*: Investigating the relative roles of nitrogen deposition and climate change on scaled chrysophytes and chlorophyll a in lake sediment cores downwind of the Athabasca Oil Sands |
| S1-03 9:30-9:45 | | Qi Li: sequence stratigraphy and Depositional system of the Eogene Qaidam Basin |
| S1-04 9:45-10:00 | | Cecilia Barouillet*: Paleolimnological investigation of the impact of the Bridge River Diversion on primary and secondary producers in Seton Lake, a sockeye salmon nursery lake in British Columbia (Canada) |
| Coffee & Poster | | |
| S1-05 10:30-10:45 | Catherine Dalton & Yan Zhao | Baoyin Yuan: One brilliantly page in development history of Nihewan Basin |
| S1-06 10:45-11:00 | | Humane Sumedh: Precipitation at the Navegaon Bandh Lake, Maharashtra and its Trophic Status in response to Indian monsoons during the past 226 years |
| S12-KN 11:00-11:30 | Zhongping Lai Shenghua Li, David Madsen, & Jan-Pieter Buylaert | Sheng-Hua Li: OSL chronology for palaeo-lake shorelines: prospects and challenges |
| S12-01 11:30-11:45 | | Ashok Kumar Singhvi: Luminescence Dating of Lacustrine Deposits: Principles and Applications |
| S12-02 11:45-12:00 | | Yanwu Duan*: Chronology of a deep core from Bosten Lake (NW China) in the arid central Asia using K-feldspar post-IR IRSL signals |
| S12-03 12:00-12:15 | | Siwen Liu: Using 210Pbuns、137Cs、OSL、AMS14C to date young lake sediment from the Badain Jaran Desert, Northwest |

| | | |
|-----------------------|--|--|
| | | China |
| S12-04 12:15-12:30 | | Juzhi Hou: The influence of 14C reservoir age on interpretation of paleolimnological records from the Tibetan Plateau |

Room 114, Shaw Science Center, Friday, August 7

| Code/Time | Chair | Speaker Name & Title |
|-----------------------------------|--|---|
| S11-KN 8:30-9:00 | Liping Zhu, Antje Schwalb & Gerhard Daut | Maeusbacher Roland: Paleomonsoon dynamics along a climate gradient on the southern Tibetan Plateau |
| S11-01 9:00-9:15 | | Liping Zhu: Climate change on the Tibetan Plateau in response to shifting atmospheric circulation since the LGM |
| S11-02 9:15-9:30 | | Shijie Li: Response of Lake Environment to Climatic Changes on the Tibetan Plateau , Western China |
| S11-03 9:30-9:45 | | Yong Wang: Paleo-hydrological processes revealed by n-alkane δD in the lacustrine sediments of Lake Pumoyum Co, southern Tibetan Plateau, during the past 18.5 cal ka BP |
| S11-04 9:45-10:00 | | Yun Guo*: Holocene lake level fluctuations and environmental changes at Taro Co, southwestern Tibet, based on ostracod-inferred water depth reconstruction |
| Coffee & Posters | | |
| S11-05 10:45-11:00 | Liping Zhu, Antje Schwalb & Gerhard Daut | Kai Li*: Rapid climatic fluctuations over the past millennium: evidence from high resolution lacustrine record of Basong Co, southeastern Tibetan Plateau |
| S11-06 11:00-11:15 | | Valero-Garces Blas: Hydrological variability in Chilean altiplano lakes during the last millennia |
| S11-07 11:15-11:30 | | Andrew Labaj*: Assessing long-term invertebrate, diatom, and primary production dynamics in response to global change in high-elevation lakes of the Ecuadorian Andes |
| S11-08 11:30-11:45 | | Suzanne Leroy: Issyk-Kul lake (central Asia): a new record of environmental changes in the last 5600 years by palynology and geochemistry |

Room 201, Shaw Science Center, Friday, August 7

| Code/Time | Chair | Speaker Name & Title |
|----------------------------------|---|--|
| S10-KN 8:30-9:00 | Zhonghui Liu, Juzhi Hou, & Guoqiang Chu | Guoqiang Chu: Alkanes and compound-specific carbon isotopic records during the past 20,000 years from the varved sediment of Lake Xiaolongwan, northeastern China |
| S10-01 9:00-9:15 | | Juzhi Hou: Centennial-scale climate variability during the past 2000years on the central Tibetan Plateau |
| S10-02 9:15-9:30 | | Jingjing Li: Distribution of glycerol dialkyl glycerol tetraether (GDGT) lipids in an athalassohaline lake system |
| S10-03 9:30-9:45 | | Mu Song*: Biomarker-based reconstructions of climatic changes from the Yarkov basin of Lake Chany, south Western Siberia, during the middle to late Holocene |
| S10-04 9:45-10:00 | | Jie Liang*: Orthogonal analysis on extraction and analysis of sedimentary pigments in Tibetan lakes |
| Coffee Break & Poster | | |
| S2-17 10:45-11:00 | Aubrey Hillman & Mark Abbott | Wenhan Cheng: Tracking ancient people and seabird colonies in Arctic with sterols and stanols in lake sediment |
| S2-18 11:00-11:15 | | Roberts Sarah*: Limnological change in Lake Baikal over the past 1000 years inferred from sedimentary algal pigments and stable isotopes |
| S2-19 11:15-11:30 | | Shijie Li: Sedimentary record of nutrient accumulation rate in northern Tai Lake during recent 50 years |
| S2-20 11:30-11:45 | | Fasong Yuan: A multi-element sediment record of human-induced ecosystem changes in Lake Erie since ~1800 |
| S2-21 11:45-12:00 | | Sonal Kamble*: Distribution of diatoms in surface sediments of the Ghodajhari Lake, Chandrapur District, India: Implication in trophic status study |

◆ 12:30-14:00 Lunch & Poster

◆ 14:00-14:45 Posters

◆ Plenary talk 6 (Zhisheng An) (14:45-15:30), Meeting Hall of Feiyun Building,

Chaired by Steve Colman

Title: The scientific achievements of Continental Environmental Scientific Drilling

(CESD) in China

15:30-16:00 Coffee Break

◆ **16:00-18:00, IPA Business Meeting and Closing ceremony, Chaired by John Smol**

- ✧ Chair's report
- ✧ Students' Awards
- ✧ Brief note about Paleolimnology Listserver (1 minute)
- ✧ Brief Update on JOPL (10 mins max, Mark Brenner reporting).
- ✧ Brief update on DPER books (1 minute, JPS)
- ✧ Elections to Executive Committee.
- ✧ Host for IPS 2018.
- ✧ Open Discussion
- ✧ Thanks and Close.

◆ Posters sessions (Aug., 4-7)

| Code | Author name | Poster Title |
|-------|--------------------------------|--|
| S1-07 | Carlos Bicudo | Eutrophication is the stronger driver of surface sediment diatoms across tropical reservoirs (southeastern Brazil) |
| S1-08 | Walter Doerfler | Lake Chapala – a long record of environmental change and human influence in western Mexico (Conacyt CB 2011 Grant 168685) |
| S1-09 | Yongdong Zhang | Sediment trace metals ratios record past changes of phytoplankton productivity in Lake Lugu |
| S1-10 | Chunling Huang | The geographic pattern of lake trophic status in the northern hemisphere and its constrained socio-economic factors |
| S1-11 | Yawen Ge | The characteristics of climate and environment in the Nihewan Basin during the transition between the Pliocene and the Pleistocene — a case study of Tai'ergou section |
| S1-12 | Larisa Nazarova | Diatom and Chronomids from modern sediments of Canadian arctic lakes (Bathurst Island, Nunavut) |
| S1-13 | Alicja Bonk | Process studies and varve chronology as the basis for high-resolution and multiproxy paleoclimate reconstructions from the sediments of Lake Żabińskie (northeastern Poland) |
| S1-14 | Dong Li | Hydroclimatic changes in monsoonal China during 5 ka B.P. event and their impacts on Neolithic Culture |
| S1-15 | Manman Xie | Carbonate varves and minor element variations during the past 100 years in Maar Lake Twintaung, Myanmar |
| S1-16 | Catherine Dalton | Sediment accumulation in lacustrine systems in Ireland |
| S1-17 | Jiangtao Liu | Geoarchaeology Practice at Chengziya site |
| S1-18 | Mengna Liao | Comparisons and trend analysis for water quality between typical freshwater lakes in China and Pyhäjärvi Lake in SW Finland during modern times |
| S2-22 | Jianbao Liu | Climate warming linked to marked alpine lake eutrophication over the last 2000 years in northern China |
| S2-23 | Qi Lin | Spatial distribution, anthropogenic pollution and potential eco-risk of heavy metals in surface sediments of Erhai Lake, a eutrophic plateau lake in southwest China |
| S2-24 | Jingzhong Wang | Sediment record of channel change of the Yellow River and environmental evolution in Hetao Plain since the Holocene |

| | | |
|-------|---------------------------------------|--|
| S2-25 | Muhua Feng | The recorder of phosphorus from different sources and its potential release in sediments of Fuxian Lake |
| S2-26 | Aubrey Hillman | The Isotopic Response of Lake Chenghai to Dam Construction and Hydrologic Modification |
| S3-13 | Bo Lan | Late Holocene environmental changes inferred from lake-sediment geochemistry and diatoms at Ailike Lake, Northern Xinjiang of China |
| S3-14 | Jianhui Chen | A highly unstable Little Ice Age climate revealed by high-resolution proxy records from northwestern China |
| S3-15 | Yibo Yang | Exploring paleo-lake evolution and climate change based on bulk carbonate geochemistry in calcareous lake sediments |
| S3-16 | Bowe Zhang | Multiple methods to identify aeolian component from varved sediments in Kusai Lake sediments |
| S3-17 | Zhenyu Ni | New insight into late Holocene temperature-moisture association on the northern Tibetan Plateau based on stable isotope analysis of authigenic carbonate from Lake Kusai |
| S3-18 | Steffen Mischke | Holocene climate and landscape change in the northeastern Tibetan Plateau foreland inferred from the Zhuyeze Lake record |
| S3-19 | Xingqi Liu | Evolution of Jilantai Salt Lake and its response to climatic change since the late MIS 3 in Inner Mongolia, China |
| S3-20 | Aiyong Cheng | A high-resolution proxy record of millennial climate change from Toson Lake |
| S3-21 | Yu Chen | The sedimentary process and mechanism of varves from Kusai Lake in the Hoh Xil area, Northern Qinghai-Tibetan Plateau |
| S3-22 | Long Ma | Climate and environmental changes over the past 200 years inferred from Sayram Lake sediments in Tianshan Mountains, northwest China |
| S3-23 | Chunliang Gao | Subbottom pinnoite deposit of Da Qaidam Salt Lake in Qaidam Basin on Qinghai-Tibetan Plateau: the forming environment and associated hydroclimate change |
| S3-24 | Haichao Xie | Lake evolution revealed by the drill core BST12B from Bosten Lake since the last interglacial period |
| S3-25 | Xiaozhong Huang | Paleoclimatic and paleoenvironmental evolution of Jilantai Salt Lake since late MIS3 |
| S3-26 | Sisi Liu | Vegetation and climate change over the last 6.2ka BP reflected by the pollen record from Genggaihai Lake, northeastern Tibetan Plateau |
| S3-27 | Yuxin Fan | The environmental status of the Jilantai Basin during the marine |

| | | |
|-------|---------------------------------|---|
| | | oxygen isotope stage 3 (MIS 3): sedimentary and ecological evidence recovered from cores at different location of the lake Basin |
| S5-09 | Haipeng Wang | A preliminary study of temperature change since 13 ka recorded by chironomids in the East Asian monsoon fringe |
| S5-10 | Yanling Li | Diatom-based inference of variations in the strength of East Asian spring wind speeds since Mid-Holocene |
| S5-11 | Enlou Zhang | Linkages between climate, fire and vegetation in southwest China during the last 18.5 ka based on a sedimentary record of black carbon and its isotopic composition |
| S5-12 | Junfeng Li | Climate variations since the Late Glacial as recorded by TOC and TN contents in sediments from Anguli-nuur Lake, North China |
| S5-13 | Xiayun Xiao | New evidence on deglacial climatic variability from an alpine lacustrine record in northwestern Yunnan Province, southwestern China |
| S5-14 | Zhou Xin | Time-transgressive Onset of the Holocene Optimum in the East Asian Monsoon Region |
| S5-15 | Hao Long | High resolution OSL dating of a late Quaternary sequence from Xingkai Lake (NE Asia): Chronological challenge of the "MIS3a Mega-paleolake" hypothesis in China |
| S5-16 | Qiannan Yang | Immobilization, retention and sources of lead in two sections of Hani mire from west Changbai Mountain, northeast China |
| S6-08 | Xiaoping Feng | The Pattern of organic carbon and its response to environmental changes in saline coastal wetlands in Tianjin |
| S6-09 | Chunmei Ma | Mountainous vegetation response to late Holocene monsoon climate variability and possible human impact of southeast China |
| S6-10 | Xu Chen | Diatom community distribution in montane peatlands (central China) and its potential in environmental reconstruction |
| S6-11 | Wenyu Shang | Potential applications of Fourier transform Infrared spectroscopy for estimating elements and geochemical proxy in peat |
| S6-12 | Xuefeng Yu | Spatial correlation of precipitation and carbon accumulation in South and North China since the last deglaciation |
| S6-13 | Dongliang Zhang | Hydrological Variations and Associated Climatic Changes since ~1400 AD in the Central Tianshan Mountains, inferred from geochemical proxies of lake sediments |
| S6-14 | Hongyan Zhao | High-resolution records of surface wetness from two mires in western Changbai Mountains, China and their response to regional climatic changes |

| | | |
|--------|---------------------------------|---|
| S6-15 | Xue Zheng | Dynamics of surface moisture of mires in east Daxing'an Mountains, northeast China and its controller |
| S6-16 | Yunpeng Yang | Peat sphagnum ¹³ C-signified wetland hydrology in Chinese Altai and its association with regional precipitation and with northern Eurasian temperature |
| S9-05 | Haiquan Yang | The Distribution Characteristics and Sources of nutrients in Sediments of Caohai Lake, China |
| S9-06 | Annika Mikomagi | Assessing the lake eutrophication using sedimentary pigments and stable isotopes: lake response to different types of human impact |
| S9-07 | Mingrui Qiang | Carbon isotopic compositions at Genggahai Lake, northeastern Qinghai-Tibetan Plateau |
| S9-08 | Luo Wang | Influence of the ratio of planktonic to benthic diatoms on lacustrine organic matter d13C from Erlongwan maar lake, northeast China |
| S9-09 | Maarten van Hardenbroek | Stable carbon and nitrogen isotopes of aquatic invertebrates and their chitinous remains in lake sediments |
| S10-5 | Mingda Wang | Distribution of GDGTs in lake surface sediments on Tibetan Plateau and their influencing factors |
| S10-6 | Qian Tian | Influence of environmental and photosynthetic pathway on n-alkane chain length distributions across the eastern Tibetan Plateau |
| S10-7 | Huanye Wang | A 12-ka record of BIT in Lake Qinghai, northeastern Qinghai-Tibet Plateau |
| S10-8 | Zhiguo Rao | A 15 ka lake water δD record from Genggahai Lake on the northeastern Tibetan Plateau and its application in paleoclimatic reconstruction |
| S10-9 | Nathalie Dubois | Tracing early farming impacts in Lake Joux (Switzerland) using the ¹⁴ C age of terrestrial biomarkers |
| S11-09 | Falko Turner | Pediastrum algae as an indicator of environmental change in lakes on the Tibetan Plateau |
| S11-10 | Jianting Ju | Tracing the contribution of glacier melt to Ranwu Lake, a proglacial lake in SE Tibet, using isotopic method and observation data |
| S11-11 | Xinmiao Lü | Airborne pollen spectrum variations in monsoon period and westerly period and their links with atmospheric circulation shift in Nam Co catchment, central Tibet |
| S11-12 | Ping Peng | Ostracod-inferred conductivity transfer function and its utility in palaeo-conductivity reconstruction in Lake Pumayum Co |
| S11-13 | Lingyang Kong | The response of zooplankton in an alpine lake in SE Tibet to recent environmental forcing a whole-basin approach |
| S11-14 | Junbo Wang | Spatial variability and the controlling mechanisms of surface |

| | | |
|--------|-------------------------------|--|
| | | sediments from Nam Co, central Tibetan Plateau, China |
| S11-15 | Qingfeng Ma | Pollen-inferred Holocene vegetation and climate histories at Taro Co, southwestern Tibetan Plateau |
| S12-5 | <u>Fan Zhang</u> | New findings of a section composed mainly of lacustrine sediments at the high margin of the Jilantai basin: implication for formation of the highest lake level of the Late Quaternary Megalake Jilantai-Hetao |
| S12-6 | Ming Jin | Holocene Environmental Change Recorded by the Mineral Magnetic Properties of Juyanze Lake Sediments in Northwestern China |
| S12-7 | Aifeng Zhou | Changes in the radiocarbon reservoir age in Lake Xingyun, southwestern China during the Holocene |
| S12-8 | Xiuyun Min | The study on chronology of subbottom sediment profile DCD-2 from Da Qaidam Salt Lake in Qaidam Basin, northern Qinghai-Tibetan Plateau |
| S12-9 | Baolin Pan | Holocene climate change records from sand wedge at Linggo Co, Qiangtang Plateau |
| S12-10 | Xianjiao Ou | Luminescence dating of glacial sediments from the Qinghai-Tibetan Plateau |
| S12-11 | Weiming Liu | Age and extent of a giant glacial-dammed lake at Yarlung Tsangpo gorge in the Tibetan Plateau |
| S13-12 | <u>Larisa Nazarova</u> | Holocene Environmental changes in Kamchatka and Kurile Islands |
| S13-13 | <u>Xuemei Chen</u> | Vegetation history, climatic changes and Indian summer monsoon evolution during the last 36400 years documented from sediments of Xingyun Lake, south-west China |
| S13-14 | <u>Yu Hu</u> | Progress of Paleoenvironment and Paleoclimate Research Based on Chironomid in China and Abroad |
| S13-15 | <u>Lina Liu</u> | Modern pollen spectra along precipitation gradient transect of Inner Mongolia and the development of pollen-climate transfer function |
| S13-16 | Patrick Rioual | Contrasting diatom responses to Lateglacial climate change in two volcanic lakes from northeastern China |
| S13-17 | Xiangzhong Li | Water salinity and primary productivity recorded by ostracod assemblages and their carbon isotopes since the early Holocene at Lake Qinghai on the northeastern Qinghai-Tibet Plateau, China |
| S13-18 | Antje Schwalb | Calibration of stable isotopes and trace elements in recent ostracod shells from the Tibetan Plateau, China |
| S13-19 | Tatyana Sapelko | Multi-proxy biological data as an indicator of the development of Late-Postglacial lakes |

| | | |
|--------|----------------------------------|--|
| S13-20 | Hongjuan Jia | The vegetation and environment changes revealed by pollen from the middle reach of Yeongsan River, South Korean |
| S13-21 | Larisa Nazarova | Palaeoclimate and palaeoenvironment reconstruction on the Karelian Isthmus, northwestern Russia, from sediment record of the Lake Medvedevskoe |
| S13-22 | <u>Jianshuang Tao</u> | Significant biotic responses to anthropogenic pollution in two lakes from Southwest China |
| S13-23 | Szeroczynska Krystyna | Origin of two high altitude crater lakes, Central Mexico, recorded on Cladocera remains. |
| S13-24 | Yameng Li | The application of fossil diatoms to reconstruct the paleoenvironment of North China |
| S13-25 | <u>Xiaosen Zhang</u> | Complexity of ecological response to climate and environmental change in a deep, oligotrophic lake: Lateglacial and Holocene diatom dynamics in ancient Lake Ohrid (Macedonia/Albania) |
| S18-10 | Peter Langdon | Lakes and the Arctic Carbon Cycle (LAC) |
| S18-11 | <u>Lianjiao Yang</u> | A 450 years record of lake sediment and penguin population change on Ardley Island |
| S18-12 | Qianqian Chen | Reconstruction of algal community inferred from sedimentary pigments in the Ross Sea area, East Antarctica |
| S18-13 | <u>Chuangneng Lou</u> | Fractionation distribution and preliminary ecological risk assessment of As, Hg and Cd in ornithogenic sediments from the Ross Sea region, East Antarctica |
| S20-06 | Huiling Sun | Mid-Late Holocene environmental change inferred from lacustrine sediments of Fuxian Lake, south-west China |
| S20-07 | Hongwei Meng | Holocene vegetation and environment changes record from Qinghai Lake, Tengchong Yunnan province |
| S20-08 | <u>Huayong Li</u> | A 2000-years dust storm and hydrodynamic intensity record from Lake Zigetang in the central Tibetan Plateau |
| S20-09 | Jie Niu | Multi-scale analysis on climate variations in Lugu Lake during the Holocene |

Local Organizing Committee

Chair:

Fahu Chen, Lanzhou University

Ji Shen, Nanjing Institute of Geography and Limnology

Vice Chair:

Tingjun Zhang, Lanzhou University

Jiawu Zhang, Lanzhou University

Cheng Zhao, Nanjing Institute of Geography and Limnology

Zhongke Yuan, Lanzhou University

Members:

Dunsheng Xia, Lanzhou University

Mingrui Qiang, Lanzhou University

Jianjun Li, Lanzhou University

Kailan Zhang, Lanzhou University

Jin Li, Lanzhou University

Xiaozhong Huang, Lanzhou University

Aifeng Zhou, Lanzhou University

Jianhui Chen, Lanzhou University

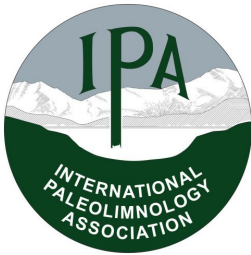
Haitao Wei, Lanzhou University

Dongju Zhang, Lanzhou University

Guoqiang Li, Lanzhou University

Wei Huang, Lanzhou University

Sponsors:



✧ “111” Project funded by Ministry of Education, China

✧ K. C. Wong Education Foundation, Hong Kong

