



The 5th International Conodont Symposium (ICOS 5)

Wuhan, China, 24-27 June 2022

2nd Circular

This is the **Second Announcement** for the 5th International Conodont Symposium (ICOS 5). Due to the COVID-19 Pandemic, the ICOS 5 in 2021 have been postponed to 2022. The Organizing Committee invites you to the 5th International Conodont Symposium (ICOS 5) which will be held in Wuhan City, China during late June in 2022. Considering the pandemic situation, we will organize this symposium as a combination of offline (on site), and online (visual) meeting. The scientific program will cover all aspects of conodont, and symposium will provide conodont researchers with an opportunity to present their research. The symposium will include three full days of scientific sessions and a post-symposium field trip.

1. Sponsors

National Natural Science Foundation of China

China University of Geosciences

2. Organizer

Organizer: State Key Laboratory of Biogeology and Environmental Geology

Co-organizer: School of Earth Sciences, Journal of Earth Science

3. Organizing Committee

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Yuping Qi, Professor, Nanjing Institute of Geology and Palaeontology

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Zuoyu Sun, Associate Professor, Peking University

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Dongxun Yuan, Associate Professor, China University of Mining and Technology

Jinyuan Huang, Senior Engineer, Chengdu Center of China Geological Survey

Guichun Wu, Professor, Institute of Geology, Chinese Academy of Geological Sciences

Jianfeng Lu, Associate Professor, Nanjing Institute of Geology and Palaeontology

Secretary in General:

Haishui Jiang, Professor, China University of Geosciences (Wuhan)

Secretaries: Yan Chen, Jun Hu and Muhui Zhang, China University of Geosciences (Wuhan)

4. Provisional Program

June 24, Ice-breaking party in the late afternoon in CUG

June 25-27, Scientific sessions in CUG

June 28-July 1, Post-conference field trip in Three Gorges of Hubei

5. Scientific Sessions

- S1: Beyond biostratigraphy: Conodont matters in evolving planetary scenarios.
Convenors: Guillermo Albanesi and Annalisa Ferretti.

Session profile: *Conodont elements are the only mineralized skeletal remains of a soft-bodied, nektonic, extinct early chordate that inhabited ancient oceans for over 300 million years (late Cambrian to Late Triassic). The usefulness of conodonts in biostratigraphical correlation has been well demonstrated, but conodonts have been found to be essential to solve fundamental geological, environmental, evolutionary, and biological problems. The proposed Session seeks to take the concept of conodont animals beyond the simple idea of their utility as biostratigraphical markers in order*

to explore how conodonts serve, as well as geochemical archives, to reveal changing marine environments and climates, past geographies and biodiversity revolutions, and to enhance our understanding of the biology of these extinct organisms. Topics covered include but are not limited to biodiversity, evolution, geochemistry, paleoecology, paleogeography and paleoclimatology. All geological periods will be considered and we especially encourage a multidisciplinary discussion involving different fields.

Papers resulting from the ICOS 5 Session will be published as a Virtual Special Issue of *Marine Micropaleontology*. IF YOU ARE INTERESTED IN CONTRIBUTING, PLEASE CONTACT US! We are collecting a list of possible contributors to return to the journal before ICOS 5. Please note that submission of manuscripts is due in **April 2023**. We look forward to hearing from you soon.

Guillermo Albanesi¹ and Annalisa Ferretti²

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²Department of Chemical and Geological Sciences, University of Modena and Reggio Emilia, 41125 Modena, Italy. *E-mail address:* **ferretti@unimore.it**

- S2: The Evolution and Extinction of Upper Permian to Triassic conodonts. Convenors: Charles Henderson, Manuel Rigo and Haishui Jiang.
Session profile: Researches on the biostratigraphy, geochemistry and paleobiogeography of conodonts from Earth's Greatest Extinction to Earth's most tragic extinction when conodonts met their ultimate fate.
- S3: Conodont morphology: from development to systematics. Convenors: Emilia Jarochowska, Zhengyi Lyu, Przemysław Świś, Wyatt Petryshen.
Session profile: Conodonts reached disparity levels of their dental apparatuses that can only be matched by those of mammals. They offer an opportunity to unveil the mechanisms generating this disparity by preserving a record of their growth dynamics in their appositionally added growth increments. Combined with an outstanding fossil record, these features create a wonderful laboratory to test hypotheses on the mechanisms of morphological evolution, the impacts of drift and selection, and even allow inferring adaptations to food-processing. The

understanding of conodont growth and development is essential in resolving Operational Taxonomic Units we choose to base biostratigraphic and diversity studies upon. In this session, we wish to illustrate how approaches to objectify the description of conodont morphology and development can help resolve their evolutionary relationships, both at the micro- and macroevolutionary scales. We invite conceptual as well as methodological contributions, ranging from the models of conodont evolution, quantitative analysis of their morphologies, through the impact on systematics and the use of morphological and developmental information in phylogenetic inference. The session will include a keynote by Dr Pauline Guenser (University of Bordeaux).

Besides these thematic sessions, abstracts on any topic related to the meeting are accepted.

6. Post-conference Field Trip Schedule

The total fee is estimated with 320 US\$, including travel fee from Wuhan to Yichang, local transports, lodging and full board. Number of participants is limited to 30 maximum, and 10 minimum, the field trip will be canceled if the participants less than 10.

June 28: Morning, traveling from Wuhan to Yichang; Afternoon: Visiting the GSSPs of the base of Dapingian (Huanghuachang section) and the base of Hirnantian (Wangjiawan section), Yichang.

June 29: Morning, Visiting the Cryogenian and Ediacaran successions at Huangniuya, Zigui; have a bird's eye view of the Three Gorges Dam; Afternoon: Visiting the Middle-Late Permian platform deposition at the Lianziya Park along the Xiling Gorge, Zigui.

June 30: Visiting the regional strata successions by a ship trip in the Xiling Gorge.

July 1: Departing Yichang heading home.



Photography showing an overview of the Three Gorges Dam.

6. Important dates

Fieldtrip registration: deadline **May 15**, 2022.

Abstract submission: deadline **June 15**, 2022.

Conference registration on site: **June 24**, 2022.

7. Call for abstract

All participants are invited to submit abstracts on all the related topics of the sessions listed above. All abstracts are encouraged to submit as an email attachment (MS Word file) to icoswuhan@163.com. Abstracts are limited to the maximum length of 3 pages (approximately 500 words per page) including reference; optionally, up to 2 figures can be added.

The poster presentation will be prepared on format A0, portrait (width: 841 mm, height: 1189 mm). Participants are encouraged to display their posters for the entire duration of the conference. The official conference language is English.

8. Registration rates

The registration fee includes participation in the meeting, name badge, printed symposium program. Electronic abstract volume, ice-breaking party (Friday, June 10), coffee-breaks, lunches and dinners (Saturday, June 25- Monday, June 27). All payments will be done on site. Regular participant: *300 US\$*, student *250 US\$*, accompanying person *150 US\$*. People who participate in ICOS 5 online are free.

9. Accommodation and travel information

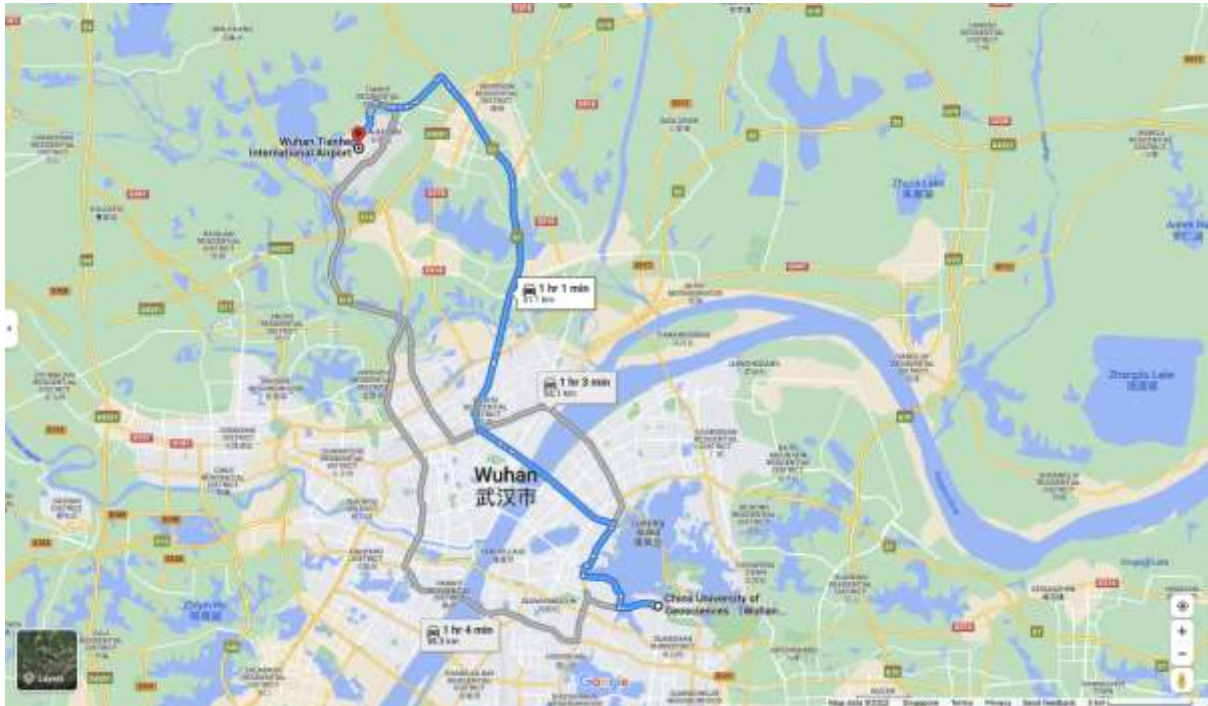
All activities of the symposium will take place in the campus of CUG. Participants will be responsible for making their own accommodation arrangements. The following hotels on the CUG campus or nearby have been provisionally reserved at preferential prices for participants of the symposium. No deposit is required to reserve a room, but allocation will be on an FCFS (First Come, First Served) basis.

CUG Hotel (three-stars hotel), *50 US\$* per night for a standard double-bed room with suite facilities.

New Beacon Luguang International Hotel (four-stars hotel), *60 US\$* per night for a standard double-bed or single-bed room with standard facilities.

Ramada Plaza Optics Valley Hotel (five-stars hotel), *100 US\$* per night for a luxury suite, *150 US\$* per night for a business suite.

The venue is located approximately 50 km from the Tianhe International Airport, and 20 km from the Wuhan high-speed railway station, it takes 60 minutes to travel between the venue and the airport, and 30 minutes to travel between the venue and the railway station, by the committee arranged shuttle bus or the local taxi. Detailed information for transportation will be provided when requested.



Map showing the location of the Wuhan Tianhe International airport and the venue. The time from the airport to the venue is about 60minutes by local taxi or the committee arranged shuttle bus when requested.

9. About Wuhan

The conference will take place in the campus of China University of Geosciences (CUG), Wuhan. It will be organized by State Key Laboratory of Biogeology and Environmental Geology (CUG) and School of Earth Sciences (CUG).

You may browse the website <http://english.wuhan.gov.cn/> for information related to Wuhan. In recent thirty years, the average rainfall in June is 151 mm, with 12 rainy days; the temperature in June ranges 22°C~ 30°C, with the mean temperature of 26°C. Wuhan is the capital city of Hubei Province in Central China, the biggest city in the middle reach of the Yangtze River. Wuhan Tianhe International Airport has international flights direct from New York City, San Francisco, Tokyo, Istanbul, Dubai, Sydney, Bali, Bangkok, Moscow, Osaka, Seoul, and Singapore. And Wuhan is well connected by airplane and by high-speed rail with Beijing, Shanghai, Guangzhou. The organizing team of Chinese Conodont researchers invite you to spend an early summer week in Wuhan, present your latest results, and enjoy the sights, and flavors of Wuhan.

10. Contact information

Contact for any request and submit the session and workshop proposals

Conference contact mail: ***icoswuhan@163.com***

Postal address: Haishui Jiang, School of Earth Sciences, China University of Geosciences,
Lumo Road 388#, Hongshan District, Wuhan, Hubei Province, P.R. China.

11. Visa application

Participant who requires a support letter for visa application, please contact:

icoswuhan@163.com

Organizing Committee of ICOS 5

March 30, 2022

Reply Form

(Those who have submitted this need not submit again.)

— The 5th International Conodont Symposium (ICOS 5)

— Wuhan, China, 24-27 June 2022

Please fill this form until **June 15, 2022**, or before **May 15, 2022** if you intend to join the field trip, via email attachment to icoswuhan@163.com (pdf or word.doc file)

First Name _____ Last Name _____

Accompany Name (If attending, please register below)

Institution _____

Address _____

City _____ Country _____ Postal (Zip) Code _____

Email Address _____ Telephone _____

Fax _____

1. I plan to register as (please tick):

Formal participant (), Student (), Accompany ()

2. I will give an [] oral [] poster presentation entitled: (please provide tentative title)

under the sessions (please tick):

Beyond biostratigraphy: Conodont matters in evolving planetary scenarios ();

The Evolution and Extinction of Upper Permian to Triassic conodonts ();

Conodont morphology: from development to systematics ();

Free ();

I have a new session or workshop to propose: (please provide title)

3. I plan to give the oral presentation online () or onsite ()

4. I need to help with the reservation of the accommodation in the hotel (please tick) ()

5. I need to help with the transportation from the Tianhe International Airports (), or the Wuhan Railway Station (): (please provide the rough date of arrival)

6. I plan to join the post-conference field trip (please tick) ()

Signature and date:

Abstract Template

A sample title: This is a template for abstracts to be submitted

First Author¹ and Second Coauthor²

¹Geological Institute, Country

²Department of Earth Sciences, Country

e-mail: corresponding author@email.com

Abstract

We request you to prepare a one-page abstract of your presentation or poster using the template on this page. Abstracts are limited to the maximum length of 3 pages (approximately 500 words per page) including necessary references; optionally, up to 2 figures can be added. Please name the abstract file as “yourname_country.docx”, before sending it via email attachment to icoswuhan@163.com.

Keywords: Conodont, Early Triassic, Evolution

References (if necessary)

e.g.

Jiang, H.S., Lai, X.L., Luo, G.M., Aldridge, R., Zhang, K.X., Wignall, P., 2007. Restudy of conodont zonation and evolution across the P/T boundary at Meishan section, Changxing, Zhejiang, China. *Global and Planetary Change* 55, 39–55. <https://doi.org/10.1016/j.gloplacha.2006.06.007>