

Call for Abstracts



AMFR 2019

Second International Conference on

All Material Fluxes in River Eco-Systems

October 11 – 13, 2019

Peking University, Beijing, China

Sponsored by

Peking University

State Key Laboratory of Hydrosience and

Engineering, Tsinghua University

Southern University of Science and Technology

Qinghai University

National Natural Science Foundation of China

Deadline of Abstract Submission
August 15, 2019

Scope of Conference

Healthy river eco-systems are essential for sustaining the natural environment and human society. Understanding of the material fluxes in river basins, including those fluxes that are related to water, sediment, nutrients, trace materials, living organisms, and greenhouse gases, could enable improved monitoring and restoration of river eco-systems. An overview of the current status of approaches and results necessary for accounting for all material fluxes in large rivers is thus of the utmost importance. The 2nd international conference on All Material Fluxes in River Eco-systems (AMFR 2019) will provide a global forum for a wide-ranging discussion of key issues related to research on all material fluxes in river eco-systems, and to their effective and sustainable management. A primary aim of this conference is to promote future collaboration between the participants on research into combined fluxes in large river systems.

Format of Conference

The conference program will comprise invited and contributed oral presentations. Potential presenters and attendees are encouraged to contact the organizing committee via amfr2019@pku.edu.cn

Conference Language

All presentations will be given in English.

Topics

AMFR 2019 will focus on the development of a detailed understanding of all material fluxes in large river systems, including fluxes of water, sediment, nutrients, trace materials (such as nanomaterials, natural organic matter, organic pollutants, and heavy metals) and living organisms (including bacteria, viruses, protozoa, algae, benthos, and fish). The conference will also consider river health assessment, hazards and risks, and

restoration of damaged river eco-systems. Particular attention will be paid to the interactions of materials in rivers; this will include data acquisition, monitoring, analysis, and management.

The topics of AMFR 2019 include:

- ✧ Water-sediment fluxes and river morphology;
- ✧ Water quality, nutrient fluxes and cycles, energy;
- ✧ Trace materials and living organisms in rivers;
- ✧ Greenhouse gases and global climate change;
- ✧ Interactions among materials in aquatic systems;
- ✧ River health, risk assessment, and restoration;
- ✧ Natural/anthropogenic impacts on material fluxes;
- ✧ Data capture, monitoring, and management.

Conference Site

Peking University (PKU) is one of the top universities in China. Its campus is located in the western suburb of Beijing and connected to Beijing's extensive subway system, which allows a convenient access to the Capital airport, primary rail stations, and many cultural and historic sites.

PKU embraces many diverse branches of learning such as basic and applied sciences, social sciences, the humanities, medicine, management, and education. PKU encourages multidisciplinary research on grand challenge scientific subjects encountered in environmental science and engineering, and takes pride in the training of personnel with a high level of specialized knowledge and professional skill relevant to the modernization of China.



Conference Organizations

- ✧ **Peking University, China**
Key Laboratory of Water and Sediment Sciences
- ✧ **Tsinghua University, China**
State Key Laboratory of Hydrosience and Engineering
- ✧ **Southern University of Science and Technology**
- ✧ **Qinghai University**
State Environmental Protection Key Laboratory of All Materials Flux in Rivers
- ✧ **International Joint Laboratory for Region Pollution Control**
- ✧ **Research Institute of World's Large Rivers**
- ✧ **Beijing Engineering Research Center of Advanced Wastewater Treatment**

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Important Dates

Abstracts Submission

August 15, 2019 Deadline for abstract submission
August 30, 2019 Notification of abstract acceptance

Registration

October 11, 2019 On-site Registration

Location

Zhongguan Global Village PKU, Beijing, China

Contact Information

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Welcome to Beijing !