

Official Notification

The 3rd International Symposium of Cavitation and Multiphase Flow

Cavitation and multiphase flow is one of paramount topics of fluid mechanics with many applications in engineering. The 3rd International Symposium of Cavitation and Multiphase Flow (ISCM), which is jointly organized by Shanghai University and the Editorial Board of *Journal of Hydrodynamics*, is scheduled to be held from April 19 to 22, 2019, in Shanghai, China.

The 3rd International Symposium of Cavitation and Multiphase Flow (ISCM2019) aims to become the leading annual conference in fields related to cavitation and multiphase flow. The purpose of the ISCM 2019 is to discuss the state-of-the-art cavitation and multiphase flow research and their up-to-date applications, and to foster discussion and exchange of knowledge. The objective of the ISCM 2019 is to provide an opportunity for the researchers, engineers and graduate students to report their latest progress in these fields. Furthermore, the participants are also encouraged to present their work in progress and discuss the problems encountered in their research.

1. Scope

ISCM 2019 covers all aspects of cavitation and multiphase flows, e.g., both fundamental and applied research with a focus on physical insights, numerical modeling and applications in engineering. Some specific topics are (but not limited to):

- Cavitating and multiphase flow in hydroturbines, pumps, propellers, etc.
- Numerical simulation techniques, e.g., LES, RANS
- Cavitation and multiphase flow erosion and anti-erosion techniques
- Measurement techniques for cavitation and multiphase flow detection
- Fluid-structure interaction induced by cavitation and multiphase flow
- Multi-scale modelling of cavitating flows and multiphase flow
- Cavitation nuclei: theory and experiments
- Supercavitation and its applications
- Synergetic effects of cavitation and silt-laden erosion
- Shock waves and microjets generated by cavitation
- Nonlinear oscillations of gas and vapour bubbles
- Fundamentals of physics of acoustic cavitation
- Sonochemistry and sonoluminescence
- Biomedical applications of cavitation effects
- Ultrasonic cavitation for molten metal treatment
- Cavitation and multiphase flow for enhanced heat transfer

2. Sponsors

Shanghai University, Shanghai, China
Journal of Hydrodynamics, Shanghai, China

3. Supports

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8. Time, Venue, Agenda, Conference Fee

Time

April 19th to 22nd, 2019

Venue

Shanghai Baolong Hotel
 Address: 180 Yixian Road, Hongkou District, Shanghai, China

Agenda

19th April (Friday), 2019

Registration, Reception, Meeting of executive committees

20th April (Saturday), 2019

Opening ceremony, Invited lectures, Technical sessions

21st April (Sunday), 2019

Invited lectures, Technical sessions, Closing ceremony, Banquet

22nd April (Monday), 2019

Technical Tours

Conference Fee

Participants are required to pay the registration fee to attend the conference. Accommodation is arranged and secured by the local organizing committee, but the participants are responsible for all fees and expenses related to accommodation and food during the conference. The registration fee can be paid online.

Registration Type	EARLY BIRD	REGULAR	LATE
	Before February 15, 2019	February 16 to April 18, 2019	April 19 to April 21, 2019
Participant	600 USD, 3500RMB	700 USD, 4000RMB	750 USD, 4500RMB
Student Participant	300 USD, 1500RMB	350 USD, 2000RMB	375 USD, 2500RMB
Accompanying person	300 USD, 1500RMB	350 USD, 2000RMB	400 USD, 2500RMB

*Registration will not be completed until the full payment is received. The deadline for EARLY BIRD registration and full payment is February 15, 2019 and the deadline for REGULAR registration and full payment is April 18, 2019.

9. Local transportation guide

Conference and Registration Location (Shanghai Baolong Hotel) transportation Guide:

(1) Shanghai Pudong International Airport ---- Shanghai Baolong Hotel: take East Extension of Metro Line 2, transfer to Metro Line 2 at Guanglan Road Station, transfer to Metro Line 4 at Century Avenue Station, transfer to Metro Line 3 at Baoshan Road Station, get off at Chifeng Road Station, and take bus No. 52 at Nongnuocun Station, get off at Yixian Road Memorial Road Station, arriving at the destination after 190 meters on foot. (Take a taxi for about 200 yuan)

(2) Shanghai Hongqiao International Airport ---- Shanghai Baolong Hotel: take Metro Line 2, transfer to Metro Line 3 at Zhongshan Park Station, get off at Jiangwan Town Station, arriving at the destination after 1000 meters on foot to the south. (Take a taxi for about 100 yuan)

(3) Shanghai Railway Station ---- Shanghai Baolong Hotel: take Metro Line 3, get off at Jiangwan Town Station, arriving at the destination after 1000 meters on foot to the south. (Take a taxi for about 50 yuan)

(4) Shanghai South Railway Station ---- Shanghai Baolong Hotel: take Metro Line 3, get off at Jiangwan Town Station, arriving at the destination after 1000 meters on foot to the south. (Take a taxi for about 80 yuan)

10. Contact

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If you have any questions or suggestions, please do not hesitate to contact us.

The Organizing Committee of the 3rd ISCM
January 15, 2019