

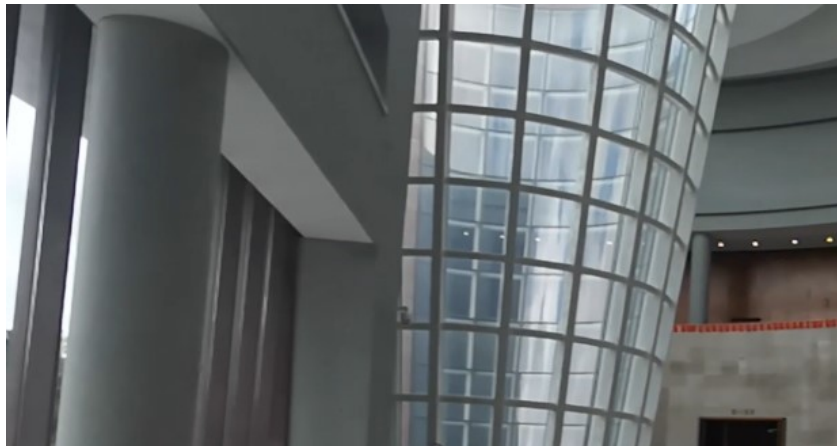
“Ocean Dreams” — 2022 International Summer School on Naval Architecture, Ocean Engineering and Mechanics

I. Overview

Naval architecture, ocean engineering and mechanics cover a wide range of knowledge and emphasizes on both theory and practice. It involves scientific principles, innovation, imagination together with the fundamentals of mathematics, physics, mechanics, oceanography, etc. New concepts, technologies and methodologies on the subject are constantly emerging. Since 2009, the International Summer School on Naval Architecture, Ocean Engineering and Mechanics has been providing a valuable learning and mutual exchange opportunity for students to broaden their vision and enrich their experiences.

In 2021, we successfully held the first online International Summer School focusing on the theme of “Renewable Energy”. More than 100 young talents and outstanding students from China, Japan, South Korea and Australia joined the one-week summer school. About 16 distinguished experts and scholars from the United States, the United Kingdom, Germany, Norway, Japan, South Korea and China were invited to give keynote lectures to help students understand the research progress of various countries and get close to the forefront of the field. In addition, we carefully prepared the ice-breaking, cultural exchange, and three campus tour activities.





On the basis on the previous experiences, 2022 Summer School is the 13th grand event, and it will continue to provide excellent opportunities for students to learn about the latest theories and applications on naval architecture, ocean engineering, civil engineering and mechanics through academic and cultural immersion. A wide range of courses in various disciplines will be provided by the world-class professionals and researchers. In addition, local excursions, cultural activities and field trips are also available to the participants from all around the world.

II. Date and Venue

Date: August 8 – 12, 2022

Venue: Shanghai Jiao Tong University, laboratories, museums, exhibition halls and famous enterprises (Combination of online and offline, depending on the circumstances)

III. Courses and Activities

Lectures, seminars, posters exhibition, ice-breaking activity, model racing, study tour of museums and culture, field trips to research institutions and enterprises, and scientific research in the labs under the supervision of professors at SJTU, etc.

IV. Potential Professors and Lecturers List

No	Name	Expertise	Institute	Country
1	Zhen Gao	Professor of Ocean Engineering	Norwegian University of Science and Technology	Norway
2	Atila Incecik	Professor of Ocean Engineering	University of Strathclyde	UK
3	Changhong Hu	Professor of Ocean Engineering	Kyushu University	Japan
4	Wenhua Zhao	Professor of Ocean Engineering	University of Western Australia	Australia
5	Masashi Kashiwagi	Professor of Hydrodynamics	Osaka University	Japan
6	Yonghwan Kim	Professor of Marine Hydrodynamics	Seoul National University	South Korea
7	Zhiming Yuan	Lecturer of Marine Hydrodynamics	University of Strathclyde	UK
8	Yong Bai	Professor of Ocean Engineering	Zhejiang University	China
9	Zaojian Zou	Professor of Hydrodynamics	Shanghai Jiao Tong University	China
10	Lixin Xu	Expert of Ocean Engineering	China Merchants Group	China
11	Pizhong Qiao	Professor of Solid Mechanics	Shanghai Jiao Tong University	China
12	Decheng Wan	Professor of Ship and Marine Numerical Tank	Shanghai Jiao Tong University	China
13	Benlong Wang	Professor of Hydrodynamics	Shanghai Jiao Tong University	China
14	Chi Zhang	Professor of Coastal Engineering	Hohai University	China
15	Jian Yang	Professor of Civil Engineering	Shanghai Jiao Tong University	China
16	Shuhong Chai	Professor of Ocean Engineering	Australian Maritime College	Australia
17	Zhi Zong	Professor of Ocean Engineering	Dalian University of Technology	China
18	Dezhi Ning	Professor of Hydrodynamics	Dalian University of Technology	China
19	Aman Zhang	Professor of Fluid-Structure Interaction	Harbin Engineering University	China
20	John Z. Shi	Professor of Coastal Hydrodynamics	Shanghai Jiao Tong University	China

21	Ye Li	Professor of Marine Wind Energy	Shanghai Jiao Tong University	China
22	Mingsong Zou	Professor of Hydroelasticity	Chinese Ship Scientific Research Center	China
23	Hao Liu	Professor of Hydrodynamics	Chiba University	Japan
24	Zhiqiang Hu	Professor of Ocean Engineering	Newcastle University	UK
25	Dongqiang Lu	Professor of Hydrodynamics	Shanghai University	China
26	Bin Teng	Professor of Coastal and Offshore Hydrodynamics	Dalian University of Technology	China

V. Eligibility

PhDs and masters who are interested in the theories and applications of naval architecture, ocean engineering and mechanics, and senior undergraduates who are interested in pursuing degree at SJTU.

VI. Fees and Scholarship

1. Tuition: waiver
2. Accommodation for international students: Double Room RMB 50-60/day; Single Room: RMB 80-110/day.
3. Transportation: The round-trip train fare & international airfare shall be covered by each participant.
4. Additional fellowships available for application.

VII. Application

If you are interested, please apply on <http://apply.sjtu.edu.cn> and on <https://www.wjx.cn/vj/hPBAUin.aspx>

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Deadline: August 5, 2022

Agenda (Tentative)

Date	Event	Venue
August 8	Opening ceremony; Ice-breaking activity	Combination of online and offline (depending on the
August 8-12	Lectures and seminars; Academic salons; Cultural exchange activities; Online visits of campus, laboratories and enterprises	

August 12	Closing ceremony	circumstances)
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