



2020 船舶海洋与建筑工程学院 全球青年学者思源论坛

Si Yuan Global Young Scholars Forum 2020

Organized by

School of Naval Architecture, Ocean and Civil Engineering,
Shanghai Jiao Tong University

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Overview

Situated in Shanghai, the most renowned center of China's economy, transport, technology, industry, finance and shipping, Shanghai Jiao Tong University (SJTU) has been playing an important role in the world and achieved tremendous success through its own history in the last 120 years. Today, SJTU has become a comprehensive, research-oriented and international university after going through these extraordinary years.

With a sense of gratitude and responsibility, School of Naval Architecture, Ocean & Civil Engineering (NAOCE), while continuing to uphold the tradition and motto of SJTU, is proud to set benchmarks for China's naval architecture and ocean engineering in modern education and scientific research. It consists of 4 departments including Naval Architecture & Ocean Engineering, Engineering Mechanics, Civil Engineering and Transportation Engineering.



The School features two “Double First-class” disciplines by Ministry of Education of the People's Republic of China (Naval Architecture & Ocean Engineering and Civil Engineering), two “State Key” disciplines (Naval Architecture and Ocean Engineering, and Mechanics), and two “Shanghai Key” Disciplines (Fluid Mechanics and Geotechnical Engineering). NAOCE also welcomes postdoctoral research fellows to work with our distinguished professors in the research fields of Mechanics, Naval Architecture & Ocean Engineering and Civil Engineering. Remarkably, Naval Architecture and Ocean Engineering has been topped the ranking in 2020 Shanghai Ranking's Global Ranking of Academic Subjects for four consecutive years since 2017. Besides, it was also awarded "A+" , the highest grade, in the fourth round of national subject evaluation. Engineering Mechanics, with its leading comprehensive strength, is one of the most complete disciplines of the same kind in China. Civil Engineering rose to 29th in 2020 QS World University Rankings. Transportation Engineering was ranked the 6th in 2020 Global Ranking of Academic Subjects of Shanghai Ranking.




To date, NAOCE has made tremendous amount of breakthrough achievements in various research fields and has congregated the most powerful research force in China by establishing the Collaborative Innovation Center for Advanced Ship and Deep-Sea Exploration, State Key

Laboratory of Ocean Engineering, National Large-scale Scientific Facility Center of Deepwater Technology Experiments and providing many high-level research platforms.

For the purpose of optimizing the faculty structure and the construction of high-level teaching faculty, NAOCE has always been providing top strategic priorities to faculty development over the years. In order to implement the strategy of enhancing NAOCE by attracting all of the talents that it has to offer, we sincerely invite young talented scholars from all over the world to attend “Si Yuan Global Young Scholars Forum 2020”, an advanced exchange platform designed for young talents in relative disciplines and fields. In the spirit of being world first class, we will jointly discuss some most popular issues in the academic frontier; promote exchanges and collaborations by means of keynote speech, academic discussions and lab visits.

Who Should Attend

Those conducting researches in the areas of naval architecture & ocean engineering, engineering mechanics, civil engineering, transportation engineering, and other related fields and satisfying the following criteria:

-  Under 40 years old (including 40), obtained a PhD degree from world-class universities/ institutions/ disciplines abroad or in China;
-  Gained research achievements in Naval Architecture & Ocean Engineering, Mechanics, Civil Engineering, Transportation Engineering and related fields or enjoys development potential;
-  Possessing a strong academic potential and demonstrated interest in education and scientific research in academia.

Registration

Registration Process

Submit the application form and upload a curriculum vitae (CV) before November 8th, 2020.

Detailed forum schedule and agenda will be available recently.

Forum Topics

The forum focuses on Naval Architecture & Ocean Engineering, Engineering Mechanic, Civil Engineering and Transport and Traffic Engineering. The following are examples of specific topics in each academic subject.

For more information regarding research group and departments, please refer to the following link.

http://naoce.sjtu.edu.cn/en/content.aspx?info_lb=26&flag=3

Naval Architecture & Ocean Engineering

- Marine Design and Research
- Underwater Engineering Research
- Ship Structures
- Ship Hydrodynamics
- Ocean Engineering
- Ship Performance
- Fluid-Structure Interactions of Ships and Offshore Structures
- Power Plants and Automation
- Underwater Acoustics Engineering
- Marine Equipment and System
- Harbor, Waterway and Coastal Engineering
- Advanced Computational Group
- Computational Marine Hydrodynamics Lab (CMHL)

Civil Engineering

- Tunneling and Underground Space
- Soil Mechanics and Foundation Engineering
- Hydraulic Geotechnical Mechanics
- Reliability of Engineering Structures
- Steel Structures
- Engineering Safety and Disaster Prevention
- Space Structures
- Green Building Materials and Modern Building Structures
- Building Information Modelling
- Structural Engineering
- Geotechnical Engineering
- Disaster Prevention and Mitigation Engineering
- Building Materials

Engineering Mechanics

- Fluid Mechanics
- Solid Mechanics
- General Mechanics
- Experimental Engineering Mechanics
- Engineering Mechanics and Its Applications

Transportation Engineering

- **Marine Transportation and Modern Logistics**
- **Transportation Planning and Management**
- **Traffic and Environment**
- **Construction and Management of Transportation Infrastructure**

Program

The forum is tentatively scheduled for this early December in 2020. Detailed forum schedule and agenda will be available recently.

Contacts

Any subject-related query, please contact the respective subject head:

- Prof. Xue Hongxiang,

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- Prof. Wang Benlong,

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- Prof. Chen Jinjian,

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- Prof. Zhang Daxue,

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- Prof. Li Chaoyang,

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Any forum-related query, please contact:

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船舶海洋与建筑工程学院

全球青年学者思源论坛

位于中国最重要的经济、交通、科技、工业、金融和航运中心—上海交通大学，风云两甲子，弦歌三世纪，经过一百二十二年的峥嵘岁月，已经成为一所综合性、研究型并具有重要国际影响力的高等学府。饮水思源，爱国荣校。船舶海洋与建筑工程学院秉承交大的优良传统与办学理念，是中国船舶与海洋工程领域现代教育和科研的策源地，下设船舶与海洋工程系、工程力学系、土木工程系和交通运输工程系4个系，拥有2个教育部“双一流”建设学科（船舶与海洋工程、土木工程）、2个一级学科国家重点学科（船舶与海洋工程、力学）、2个上海市重点学科（流体力学、岩土工程），并建有力学、船舶与海洋工程、土木工程博士后流动站。船舶与海洋工程学科在2020年软科世界一流学科排名中连续四年蝉联世界第一，并在全国第四轮学科评估中获评最高“A+”等级；工程力学学科是国内高校力学专业最齐全的院系之一，综合实力位于国内前列；土木工程学科在2020年QS全球学科排名中名列第29位，国内位列第二；交通运输工程学科在2019年软科世界一流学科排名中名列第10位。



多年以来，学院始终将师资队伍建设摆在优先战略地位，致力于师资队伍结构的优化，建设高水平师资队伍。为进一步推进“人才强院”战略，纳百川之志，聚群贤英才，上海交通大学船舶海洋与建筑工程学院诚挚邀请海内外青年才俊参加“船舶海洋与建筑工程学院全球青年学者思源论坛”，旨在为海内外相关学科领域的优秀青年学者搭建高端学术交流平台，通过主题报告、学术研讨和参观考察等形式，共同探讨学术前沿热点问题，促进交流与合作，共创世界一流。

论坛主题

本次论坛围绕船舶与海洋工程、工程力学、土木工程和交通运输工程四个学科及以下领域的团队：

船舶与海洋工程

- 船舶设计
- 水下工程
- 船舶结构
- 船舶流体
- 海洋工程
- 船舶性能
- 船海流固耦合研究
- 轮机工程
- 水声工程
- 海上装备与系统
- 港口工程
- 先进计算研究
- 船海计算水动力学

土木工程

- 隧道与地下空间
- 土力学与地基基础
- 水工岩土力学
- 工程结构可靠性
- 钢结构
- 安全与防灾工程
- 空间结构
- 绿色建材与现代建筑结构
- 建筑信息模型
- 结构工程
- 岩土工程
- 防灾减灾工程
- 建筑材料

工程力学

- 流体力学
- 固体力学
- 一般力学
- 实验力学
- 工程力学及其应用

交通运输

- 海洋运输与现代物流
- 交通运输规划与管理
- 交通与环境
- 交通基础设施建设与管理

报名条件

年龄不超过40周岁(含)，获得世界一流大学或一流学科的博士学位，在船舶与海洋工程、力学、土木、交通运输工程等相关学科领域取得一定成绩或具有发展潜力的优秀青年学者。有很强学术潜力并有志在高校从事教学和科研工作。

报名方式

2020年 11月 8日前 完成网上报名并上传个人简历

通知会议详细日程及行程安排将近期公布。

日程安排

论坛时间初拟在12月初，论坛具体时间及安排后续另行通知

联系方式

学科联系人：

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