

# 第二届结构复杂行为学术研讨会

*The 2<sup>nd</sup> China National Symposium on Complex Behaviors of Structures*

## 第一号通知（征文通知）

*First Announcement and Call for papers*



## 主办单位

浙江大学建筑工程学院

先进结构设计与建造技术国家地方联合工程研究中心

## Hosting Organizers

*College of Civil Engineering and Architecture of Zhejiang University*

*National & Local Joint Engineering Research Center of Advanced Structural Design and Construction Technology*

2018年12月13-15日

中国 杭州

Dec, 13-15, 2018

Hangzhou, China

## 会议简介 INTRODUCTION

结构复杂行为力学分析是近年来在建筑、道桥、地下结构、市政、水工、港工、船舶、航空航天等众多工程领域很受关注的研究方向之一。继2017年浙江大学发起并成功举办第一届结构复杂行为学术研讨会之后，为了进一步密切学术交流，拟定于2018年12月13日-15日在浙江杭州举办“第二届（2018）结构复杂行为学术研讨会”。现热诚邀请从事结构复杂行为分析理论与应用研究的专家、同行和在读研究生踊跃投稿并参会交流，全面展示国内结构复杂行为分析理论、方法与应用等方面的最新研究进展与成就，推动力学、计算机与结构领域研究的相互渗透与共同提高，促进相关理论的发展和工程应用。

Structural complex behavioral mechanics analysis is one of the research fields that have received much attention in many engineering fields such as buildings, roads and bridges, underground structures, municipal works, hydraulic structures, port, shipbuilding, and aerospace. Following successfully holding the first seminar on structural complex behaviors initiated by Zhejiang University in 2017, in order to further promote academic exchanges, it is planned to hold the 2<sup>nd</sup> China National Symposium on Complex Behaviors of Structures in Hangzhou, Zhejiang, on December 13-15, 2018. We sincerely invite experts, colleagues and students, in the field of structural complex behavior analysis, to join us. In this event, recent progress in research and development could be demonstrated and exhibited, in order to promote further the developments of related theories and their engineering applications.

## 征文范围 THEMES

结构复杂行为主要涉及强非线性、机构运动、屈曲失稳、接触碰撞、断裂破坏等更关注于过程的力学问题。本次研讨会的主题为“结构复杂行为分析的新理论、新应用和新挑战”，征文范围包括但不限于与之相关的以下各方面：

- 结构复杂行为力学描述的新概念与新理论
- 结构复杂行为研究面临的关键科学问题
- 数值模拟的新方法、新模型与新技术
- 多尺度与精细化建模与计算
- 多场耦合问题建模与计算

- 高性能并行与大规模计算技术
- 计算机仿真模拟技术与软件开发
- 结构安全、灾变破坏模拟与分析
- 结构的机构化运动模拟与分析
- 损伤、疲劳、断裂模拟与分析
- 非线性动力学模拟与分析
- 结构复杂行为分析的相关工程应用

The complex behaviors of structures mainly involve strong non-linearity, mechanism movement, buckling instability, contact collision, fracture failure and other mechanical problems that pay more attention to process. The theme of this symposium is "new theories, applications and challenges of structural complex behavior analysis". The topics will include (the list is not exhaustive):

- Novel Concepts and Theories on the Description of Structural Complex Behaviors
- Key Scientific Issues in the Study of Structural Complex Behaviors
- New Methods, Models and Techniques for Numerical Simulation
- Multi-Scale & Refined Modeling and Simulation
- Multi-physics Problems
- High-Performance Parallel and Large-Scale Computing Technology
- Computer Simulation and Software Development
- Structure Safety, Disaster Damage Simulation and Analysis
- Mechanism Motion Simulation and Analysis of Structures
- Damage, Fracture and Fatigue Analysis
- Nonlinear Dynamics
- Applications of Structural Complex Behaviors Analysis in Engineering

## 征文要求与出版 PAPER SUBMISSION

论文内容应符合会议主题，要具有创新性，数据准确，行文规范。请按照研讨会指定格式准备摘要与论文（模板可通过邮件向组委会索取），中英文格式择一，摘要长度300-500字为宜，论文全文不宜超过10页。参会回执、论文摘要及论文全文请以邮件附件形式投递至会议邮箱 [NSCBS2018@163.com](mailto:NSCBS2018@163.com)。研讨会将制作论文集（摘要）集，非正式出版，不收取版面费和支付稿费，仅供参会代表学术交流使用。研讨会还将进行优秀论文评选，获奖作者将获得主办单位颁发的优秀论文证书，部分优秀论文还将推荐发表于《空间结构》期刊。



The content of the paper should conform to the theme of the conference. The abstracts and full papers should be written in the specified formats (The templates could be obtained from the organizing committee by email). Please send the reply, abstract and full text of the paper to the conference email (NSCBS2018@163.com). A collection of papers (abstract) will be published informally, as well as no publication fee or payment fee, only for academic exchange convenience. The Symposium will also select excellent papers. The winners will receive the excellent paper certificates issued by the organizers, and some excellent papers will also be recommended for publication in the Chinese Journal of Spatial Structures.

## 会议组织机构 ORGANIZATION

### 主席:

罗尧治 教授 浙江大学

### 组委会委员:

赵 阳 凌道盛 袁行飞 段元锋 许 贤  
喻 莹 沈雁彬 杨 超 俞 锋 郑延丰

### Chairman

Prof. Yaozhi Luo Zhejiang University

### Members of Organizing Committee

Yang Zhao, Daosheng Ling, Xingfei Yuan, Yuanfeng Duan, Xian Xu, Ying Yu, Yanbin Shen, Chao Yang, Feng Yu, Yanfeng Zheng

## 时间与地点 DATE AND VENUE

报到时间: 2018 年 12 月 13 日

报到地点: 杭州圆正·启真酒店 (杭州市余杭塘路 866 号, 浙江大学紫金港校区内)

会议时间: 2018 年 12 月 14 日-12 月 15 日

会议地点: 杭州圆正·启真酒店会议室

On-Site Registration Time: Dec. 13, 2018

Registration Place: Hangzhou Yuanzheng Qizhen Hotel (Address: No.866 Yuhangtang Road, Zijingang Campus, Zhejiang University)

Conference Date: Dec. 14-15, 2018

Conference Venue: Hangzhou Yuanzheng Qizhen Hotel

## 会程安排 PROGRAM SCHEDULE

12 月 14 日上午: 开幕式、大会报告

12 月 14 日下午: 特邀报告、分组报告

12 月 15 日上午: 大会报告、有限质点法及计算平台讲座培训

On the Morning of Dec. 14: Open Ceremony, Plenary Lectures

On the Afternoon of Dec. 14: Invited Lectures, Session Lectures

On the Morning of Dec. 15: Plenary Lectures, Tutorial Classes

## 注册与住宿 REGISTRATION&ACCOMMODATION

会议注册: 参会人员免注册费。

会议住宿: 会议期间住宿和就餐统一安排, 组委会可以为提前注册和提出住宿申请的代表预订杭州圆正·启真酒店和杭州紫金港大酒店, 住宿费用自理。

Conference Registration: All participants are exempt from the registration fees.

Hotel Accommodation: The designated accommodation hotels are Hangzhou Yuanzheng Qizhen Hotel and Hangzhou Zijingang Hotel. The organizing committee may make reservations for representatives. The accommodation fees and other fees will be paid by delegates themselves.

## 重要日期 IMPORTANT DATES

论文全文截止: 2018 年 11 月 30 日

预注册报名截止: 2018 年 12 月 05 日

参会报到: 2018 年 12 月 13 日

会议召开: 2018 年 12 月 14-15 日

Deadline for Submission of Full Paper: Nov. 30, 2018

Early-bird Registration: Dec. 5, 2018

On-Site Registration: Dec. 13, 2018

Conference: Dec. 14-15, 2018

## 联系方式 CORRESPONDENCE

通信地址: 浙江省杭州市余杭塘路 866 号, 浙江大学紫金港校区建筑工程学院 (安中大楼) 空间结构研究中心

邮 编: 310058

电 话: 0571-87952349 传 真: 0571-88208472

电子邮件: NSCBS2018@163.com QQ 群号: 612499802

联系人: 杨 超 (13868130516) 郑延丰 (15925616994)

No. 866, Yuhangtang Road, West Lake District, Hangzhou, Zhejiang Province, R.P. China, 310058

Phone: +86-571-87952349 Fax: +86-571-88208472

Email: NSCBS2018@163.com QQ Group: 612499802

Secretaries: Chao Yang (Tel. +86-13868130516)

Yanfeng Zheng (Tel. +86-15925616994)

### 参会回执 Reply Slip

姓名 (Name): \_\_\_\_\_ 性别 (Gender): \_\_\_\_\_

单位 (Organization): \_\_\_\_\_ 职称/职务 (Title): \_\_\_\_\_

联系电话 (Tel.): \_\_\_\_\_ 电子邮件 (Email): \_\_\_\_\_

通讯地址 (Address): \_\_\_\_\_ 邮编 (Code): \_\_\_\_\_

是否参会 (Attend or Not): \_\_\_\_\_ 是否做报告 (Report or Not): \_\_\_\_\_

拟投稿论文题目 (Paper Title): \_\_\_\_\_

住宿要求 (Accommodation): 单间 (single room) ☐ 标间 (double room) ☐

入住日期 12 月 \_\_\_\_ 日, 离开日期 12 月 \_\_\_\_ 日

(Check-in: Dec. \_\_\_\_, Check-out: Dec. \_\_\_\_)

备注 (Remarks): \_\_\_\_\_

