

First Sino-American Cold-Formed Steel Research Consortium Colloquium

第一届中美冷弯型钢研究联盟会议

Colloquium Program

会议指南

23~25 August, 2019

Tongji University, Shanghai, China

中国·上海·同济大学

Organized by: Tongji University (Host)

Committee of Light-weight Steel Structures - China Engineering Construction Standards Association

Cold-Formed Steel Research Consortium

主办单位： 同济大学、中国工程建设标准协会轻钢结构委员会、北美冷弯型钢研究联盟

Colloquium program

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Colloquium program

Introduction

The inaugural Sino-American Cold-Formed Steel Research Consortium (CFSRC) Colloquium will be held on 23-25 August, 2019, in Tongji University, Shanghai, China, as the first step towards expanding and formalizing international collaboration between CFSRC, first established in America, and the active group of researchers in China advancing cold-formed steel research.

The colloquium will consist of: **day 1**, technical presentations to provide context for the interests and aptitude of the participants; **day 2**, a short course to delve more deeply into the behavior and design of cold-formed steel for engineers; and **day 3**, a workshop and meetings between the Chinese and American participants to initiate a broader exchange and seed the beginnings of the new international footprint for CFSRC. The mission, vision and expectations for a deepened Sino-American cold-formed steel research collaboration will be widely discussed by participants from both North America (U.S. and Canada) and China. Your participation is thoroughly welcomed and greatly appreciated by the hosting organizations.

The CFSRC was chartered in 2013 at the Johns Hopkins University with Prof. Ben Schafer as its Director. The CFSRC is a multi-institution shared-use platform for conducting research on cold-formed steel structures. Today CFSRC spans 11 universities in North America through both its member universities and affiliated investigators. CFSRC utilizes its team of researchers in cooperation with industry partners to develop a long-term vision of cold-formed steel research compatible with larger-scale funding initiatives and society-level priorities.

The First Sino-American CFSRC Colloquium was conceived by Prof. Yuanqi Li at Tongji University, China and CFSRC Director Ben Schafer. The objective of this event is to seek deeper collaboration between new Chinese CFSRC partners and current CFSRC investigators, and provide a rallying point in China for the increasing and high-quality cold-formed steel research being conducted. With the efforts of all partners, CFSRC is expected to be a unique international platform to assist in developing standards, coordinating future research, sharing facilities to enable efficient and unique research programs, and sharing data and achievements in cold-formed steel with a goal of providing the world's most comprehensive, innovative, and impactful research efforts dedicated to improving our understanding of the behavior, and advancing the design, of cold-formed steel structures.

会议背景

第一届中美冷弯型钢研究联盟（CFSRC）会议将于 2019 年 08 月 23 日至 25 日在中国上海同济大学举办，此次活动拟在北美和中国相关研究人员中建立联盟平台，共同推进冷弯型钢结构的发展，同时也为建立国际冷弯型钢研究联盟提供基础。

本次会议主要内容包括：第一天，通过学术报告交流双边及与会者的研究方向和进展；第二天，通过短课程深入介绍中美冷弯型钢结构发展与设计方法；第三天，通过研讨会会对冷弯型钢研究开展更广泛交流，为国际冷弯型钢研究联盟（CFSRC）的建立作铺垫。来自北美(美国和加拿大)和中国的参会者将全面讨论深化中美冷弯型钢研究合作的使命和期望。为此，主办方十分感谢和期待您的参与。

北美冷弯型钢研究联盟（CFSRC）于 2013 年在约翰霍普金斯大学成立，Ben Schafer 教授担任主任。CFSRC 是北美各机构在冷弯型钢研究中的共享平台。现在联盟扩展到北美 11 所高校，包括会员大学和附属研究人员。CFSRC 利用研究团队与行业伙伴的合作，制定冷弯型钢研究的长期愿景，及相应的大规模经费筹措和社会层面的优先事项。

首届中美冷弯型钢研究联盟（CFSRC）会议由中国上海同济大学李元齐教授和联盟主任 Prof. Ben Schafer 倡议召开，并得到了双边研究人员的大力支持。中美冷弯型钢研究联盟的成立旨在加深中国作为新加入联盟成员和现有北美联盟成员之间的合作，并由此促进中国更多更好地推进冷弯型钢结构领域的研究。希望在所有成员的共同努力下，CFSRC 能够在制定标准、研发协调和设施共享方面成为独特的国际合作平台，通过高效的合作研究项目开展、研发设备及研究数据和成果共享、以及人才的国际交流，以实现全面、创新、有效的研究工作，加深对冷弯型钢性能的了解，推进冷弯型钢结构的设计理论和技术进步。

Colloquium Program

Information

Colloquium Venue: Room 410, Zhonghe Building, Tongji University, Shanghai, China

Registration Fees:

Technical Presentations	23 August, 2019	Students: free, All Others: 1000RMB
Short Course	24 August, 2019	Students: 600RMB, All Others: 1000RMB
Workshop Meetings	25 August, 2019	By invitation (contact Yuanqi Li or Ben Schafer)

On-site Registration:

Registration Place	Time	
No.2 meeting room, 3rd floor, Kingswell Hotel Tongji	22 August, 2019	16:00~20:00
Colloquium Venue	23 August, 2019	07:30~14:00

On-site Payment: 22~23 August, 2019 (by cash or credit card)

Contacts: Ms. Meixiu Zhang (TJU), prefabcenter@tongji.edu.cn

Organized by: Tongji University, China

Committee of Light-weight Steel Structures - China Engineering Construction Standards Association, China
Cold-Formed Steel Research Consortium, USA

Supported by: State Key Laboratory of Disaster Reduction in Civil Engineering, China

National Engineering Technology Research Center for Prefabrication Construction in Civil Engineering, China
Changjiang University, China
Dahezhongbang (XiaMen) Intelligent Technology Co., Ltd.

Hosted by: Shanghai Tongji Lvjian Prefabricated Structural Engineering Technology Co., Ltd

会议信息

地 点：中国上海同济大学衷和楼 410 室（即综合楼 410 室）

注 册：2019 年 08 月 23 日 – **学术会议** – 学生：**免费**，其他：**1000RMB**

2019 年 08 月 24 日 – **短期课程** – 学生：**600RMB**，其他：**1000RMB**

2019 年 08 月 25 日 – **闭门工作会议**，（可联系李元齐老师，Email: liyq@tongji.edu.cn
或 Ben Schafer, Email: schaffer@jhu.edu）

签 到：同济君禧大酒店 3 楼 2 号会议室：2019 年 8 月 22 日 16:00~20:00

同济大学衷和楼 410 室（会场门口）：2019 年 8 月 23 日 07:30~14:00

付款方式：2019 年 8 月 22~23 日，会议签到时支付（现金或刷卡）

联系方式：张梅秀老师（同济大学），邮箱：prefabcenter@tongji.edu.cn；

电话：18801770507

主办单位：同济大学

中国工程建设标准协会轻钢结构委员会

北美冷弯型钢研究联盟

协办单位：土木工程防灾国家重点实验室

国家土建结构预制装配化工程技术研究中心

长江大学

大禾众邦（厦门）智能科技股份有限公司

承办单位：上海同济绿建土建结构预制装配化工程技术有限公司

Colloquium Program

Overview Schedule

22 August, 2019 (Thursday) Registration		
16:00~20:00	Registration	No.2 meeting room, 3rd Floor, Kingswell Hotel Tongji
23 August, 2019 (Friday) Technical Presentations		
07:30~14:00	Registration	Room 410, Zhonghe Building, Tongji University
08:30~08:45	Opening Ceremony	
Session I: US CFS Research for Codes		
08:45~10:15	Three Presentations	Room 410, Zhonghe Building, Tongji University
10:15~10:30	Tea break	
Session II: Chinese CFS Research for Codes		
10:30~12:30	Four Presentations	Room 410, Zhonghe Building, Tongji University
12:30~13:30	Lunch	3rd Floor, Xueyuan Canteen in the Campus
Session III: Experimental CFS Research and Stainless Steel Research		
13:30~16:30	Five Presentations	Room 410, Zhonghe Building, Tongji University
16:30~16:45	Tea break	
Session IV: Modeling, Manufacturing and Buildings		
16:45~18:25	Four Presentations	Room 410, Zhonghe Building, Tongji University
18:25~18:30	Closing Ceremony	
18:45~20:45	Banquet for Invited Speakers	2nd floor, Kingswell Hotel Tongji
24 August, 2019 (Saturday) Short Courses		
08:30~12:10	Four Lectures	Room 410, Zhonghe Building, Tongji University
12:10~13:15	Lunch	3rd Floor, Xueyuan Canteen in the Campus
13:15~17:30	Five Lectures	Room 410, Zhonghe Building, Tongji University
25 August, 2019 (Sunday) CFSRC Workshop and Meetings		
08:30~09:30	Morning tour	State Key Laboratory in TJU (Siping Campus)
09:30~11:30	Participant Roundtable	A305 Meeting Room, Civil Engineering Building, Tongji University
11:30~11:45	Ceremonial start of CFSRC China	
11:45~12:00	Summary & Comments	

会议日程

2019年8月22日（周四）签到		
16:00~20:00	报到注册	同济君禧大酒店3楼2号会议室
2019年8月23日（周五）学术报告		
07:30~14:00	注册	同济大学衷和楼410室（会场门口）
08:30~08:45	开幕式	同济大学衷和楼410室
会议 I：北美冷弯型钢技术标准相关研究		
08:45~10:15	3个邀请报告	同济大学衷和楼410室
10:15~10:30	茶歇	
会议 II：中国冷弯型钢技术标准相关研究		
10:30~12:30	4个邀请报告	同济大学衷和楼410室
12:30~13:30	午餐	同济大学学苑饮食广场3楼
会议 III：冷弯型钢和不锈钢的试验研究		
13:30~16:30	5个邀请报告	同济大学衷和楼410室
16:30~16:45	茶歇	
会议 IV：模型、制造和建筑		
16:45~18:25	4个邀请报告	同济大学衷和楼410室
18:25~18:30	闭幕式	
18:45~20:45	邀请报告嘉宾晚宴	同济君禧大酒店2楼
2019年8月24日（周六）短期课程		
08:30~12:10	4个讲座	同济大学衷和楼410室
12:10~13:15	午餐	同济大学学苑饮食广场3楼
13:15~17:30	5个讲座	同济大学衷和楼410室
2019年8月25日（周日）CFSRC工作会议		
08:30~09:30	参观	土木工程防灾国家重点实验室
09:30~11:30	圆桌会议	同济大学土木大楼A305会议室
11:30~11:45	联盟(CFSRC)启动仪式	
11:45~12:00	总结和评论	

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Agenda/会议议程

Technical Presentations (Official language: English / Chinese) 学术报告 (官方语言: 英文/中文)

23 August, 2019 (Friday): A one-day open academic colloquium

2019年08月23日(周五): 开放式学术论坛

Objective: For participants to be able to present their expertise and interests so that new collaborations can begin with an understanding of existing knowledge.

目的: 与会者展示中美双边及各自关注方向的研究进展, 以促进相互了解

Opening Ceremony /开幕式	
Chair/主持人: Yuanqi Li /李元齐, Tongji University/同济大学	
08:30~08:45	<p>1. Welcome address by Prof. Xianzhong Zhao, Dean of School of Civil Engineering, Tongji University 同济大学土木工程学院院长赵宪忠致欢迎辞</p> <p>2. Welcome address by Prof. Ben Schafer, Johns Hopkins University 约翰霍普金斯大学 Ben Schafer 教授致辞</p> <p>3. Welcome address by Prof. Xuhong Zhou, Chongqing University 重庆大学周绪红院士致辞</p>
Session I: US CFS Research for Codes/会议 I: 北美冷弯型钢技术标准相关研究	
Chairs /主持人: Prof. Tianhua Zhou /周天华教授, Chang'an University/长安大学 Associate Prof. Lingfeng Yin/尹凌峰副教授, Southeast University/东南大学	
08:45~09:15	<p>From Members to Mid-rise Enabling CFS Advances /冷弯型钢研究进展: 从构件到多层体系</p> <p>Prof. Ben Schafer, Johns Hopkins University /约翰霍普金斯大学 Ben Schafer 教授 <i>(In English with invited translator: Asst. Prof. Zhanjie Li /英文报告、邀请纽约州立大学理工学院李占杰副教授译)</i></p>
09:15~09:45	<p>Standards Development and Enabling Research for CFS /北美冷弯型钢标准发展及相关研究</p> <p>Dr. Helen Chen, American Iron and Steel Institute /北美钢铁学会 Helen Chen 博士 <i>(中文报告英文PPT)</i></p>
09:45~10:15	<p>Lateral Systems and Advancing BIM for CFS /冷弯型钢结构抗侧体系及 BIM 技术</p> <p>Prof. Cheng Yu, University of North Texas /北德克萨斯大学虞诚教授 <i>(中文报告英文PPT)</i></p>
10:15~10:30	Tea break /茶歇

Colloquium Program

Session II: Chinese CFS Research for Codes/会议 II: 中国冷弯型钢技术标准相关研究	
Chairs /主持人: Prof. Ben Schafer/Ben Schafer 教授, Johns Hopkins University /约翰霍普金斯大学 Dr. Ziqi He/何子奇副教授, Chongqing University /重庆大学	
10:30~11:00	JGJ/T 421-2018: Research on CFS for Multi-story Buildings / JGJ/T 421-2018: 冷弯薄壁型钢多层住宅相关研究 Prof. Xuhong Zhou, Prof. Yu Shi, Chongqing University /重庆大学周绪红院士, 石宇教授 <i>(In Chinese with invited translator: Prof. Cheng Yu /中文报告、邀请北德克萨斯大学虞诚教授译)</i>
11:00~11:30	GB50018: Research on CFSS in TJU / GB50018: 同济大学冷弯型钢结构相关研究 Prof. Yuanqi Li, Tongji University; Prof. Houjun Xu, Chief-editor of GB50018 New Version, CSADI /同济大学李元齐教授; 中南建筑设计研究院有限公司徐厚军教高, GB50018 新版主编 <i>(In English with invited translator: Prof. Liping Wang /英文报告、邀请中南大学王莉萍教授译)</i>
11:30~12:00	CECS 23: Technical Specification for Steel Storage Racks / CECS 23: 钢货架结构设计规范及相关研究 Prof. Xianzhong Zhao, Chief-editor of CECS 23, Tongji University /同济大学赵宪忠教授, CECS 23 主编 <i>(In English with invited translator: Dr. Zhaoqi Huang /英文报告、邀请同济大学黄兆祺博士译)</i>
12:00~12:30	CECS410-2015 : Technical Specification for Stainless Steel Structures / CECS410-2015: 不锈钢结构技术标准及相关研究 Prof. Ganping Shu, Dr. Baofeng Zheng, Southeast University /东南大学舒赣平教授, 郑宝峰博士 <i>(In English with invited translator: Prof. Feng Zhou /英文报告、邀请同济大学周锋教授译)</i>
12:30~13:30	Lunch /午餐
Session III: Experimental CFS Research and Stainless Steel Research/ 会议 III: 冷弯型钢和不锈钢的试验研究	
Chairs /主持人: Prof. Houjun Xu /徐厚军教高, CSADI /中南建筑设计研究院有限公司 Associate Prof. Ke Ke/柯珂副教授, Hunan University/湖南大学	
13:30~14:00	Research on Seismic and Fire Issues of CFSS /冷弯薄壁型钢结构地震和火灾问题 Prof. Jihong Ye, China University of Mining and Technology /中国矿业大学叶继红教授 <i>(In Chinese with invited translator: Dr. Mingfei Lu /中文报告、邀请中国矿业大学陆明飞博士译)</i>
14:00~14:30	Experimental CFS Building Performance /冷弯型钢试验研究 Asst. Prof. Kara Peterman, University of Massachusetts – Amherst /马萨诸塞大学 Amherst 校区 Kara Peterman 副教授 <i>(In English with invited translator: Dr. Xi Zhao /英文报告、邀请圣路易斯华盛顿大学赵曦博士译)</i>

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14:30~15:00	<p>Research on Seismic Behaviors of Three-story CFS Structures /三层冷弯薄壁型钢房屋抗震性能研究</p> <p>Prof. Mingzhou Su, Xi'an University of Architecture and Technology /西安建筑科技大学苏明周教授</p> <p><i>(In Chinese with invited translator: Dr. Wenying Zhang /中文报告、邀请北京工业大学张文莹博士译)</i></p>
15:00~15:30	<p>Research on Stainless Steel Structure in Tongji University /同济大学不锈钢结构的研究</p> <p>Prof. Feng Zhou, Tongji University /同济大学周锋教授</p> <p><i>(In English with invited translator: Dr. Baofeng Zheng /英文报告、邀请东南大学郑宝峰博士译)</i></p>
15:30~16:30	<p>Research on CFS Beams with Web Openings in Bending, Shear, and Combined Actions /冷弯薄壁型钢腹板开孔受弯、剪及其共同作用下的承载力性能</p> <p>Associate Professor Liping Wang, Central South University, Prof. Ben Young, The Hong Kong Polytechnic University /中南大学王莉萍副教授, 香港理工大学 Ben Young 教授</p> <p><i>(In English with invited translator: Dr. Wenying Zhang /英文报告、邀请北京工业大学张文莹博士译)</i></p>
16:30~16:45	Tea break /茶歇
Session IV: Modeling, Manufacturing and Buildings (会议 IV: 模型、制造和建筑)	
Chairs /主持人: Prof. Jinyou Zhao /赵金友教授, Northeast Forestry University/东北林业大学 Dr. Shuang Niu/牛爽博士, Harbin Institute of Technology /哈尔滨工业大学	
16:45~17:10	<p>Modeling Advances in Support of CFSS /冷弯型钢结构数值模拟技术进展</p> <p>Asst. Prof. Zhanjie Li, State University of New York – Polytechnic /纽约州立大学理工学院李占杰副教授</p> <p><i>(中文报告英文PPT)</i></p>
17:10~17:35	<p>Portal Frames and Next Gen Steels for CFS /冷弯型钢门式刚架及新材料</p> <p>Asst. Prof. Hannah Blum, University of Wisconsin – Madison /威斯康星大学麦迪逊分校 Hannah Blum 副教授</p> <p><i>(In English with invited translator: Dr. Xi Zhao /英文报告、邀请圣路易华盛顿大学赵曦博士译)</i></p>
17:35~18:00	<p>Manufacturing and Fabrication in CFS Buildings in China /中国冷弯型钢建筑的加工与建造</p> <p>Mr. Yongkang He, Dahezhongbang (XiaMen) Intelligent Technology Co., Ltd. /大禾众邦 (厦门) 智能科技股份有限公司何永康董事长</p> <p><i>(In Chinese with invited translator: Mr. Zhaohui Ding /中文报告、邀请大禾众邦丁朝晖副总译)</i></p>
18:00~18:25	<p>Marrying manufacturing and fabrication in CFS buildings /冷弯型钢建筑的加工与建造一体化</p> <p>Mr. Nader ElHajj, FrameCAD Co., Ltd / FrameCAD 公司 Nader ElHajj 先生</p> <p><i>(In English with invited translator: Dr. Zhidong Zhang /英文报告、邀请约翰霍普金斯大学张智栋博士译)</i></p>
18:25~18:30	Closing Ceremony/闭幕式
18:45~20:45	Banquet for invited Speakers (邀请报告嘉宾晚宴)

Colloquium Program

Agenda

Short Courses (Official language: Chinese)

24 August, 2019 (Saturday): One-day short courses on design of CFS Structures

Objective: Dissemination of knowledge to enable CFS engineers and graduates

08:30~09:25	Dr. Helen Chen (AISI): General Introduction: Specifications for CFS in AISI and Their Application
09:25~10:20	Houjun Xu (GB50018): General Introduction: Specifications for CFS in China and Their Application
10:20~11:15	Asst. Prof. Zhanjie Li and Prof. Ben Schafer (AISI): Member Design – Basics, History, and Prospect of the Direct Strength Method of Design <i>(With invited translator: Asst. Prof. Zhanjie Li)</i>
11:15~12:10	Prof. Yuanqi Li (GB50018): Members Design Based on China CFS Code- History and Prospect of EWM
12:10~13:15	Lunch
13:15~14:10	Prof. Cheng Yu and Asst. Prof. Kara Peterman (AISI): CFS Seismic Design Based on the US Code <i>(With invited translator: Prof. Cheng Yu)</i>
14:10~15:05	Asst. Prof. Kara Peterman and Asst. Prof. Hannah Blum (AISI): CFS Connection Design - Performance and Design Based on the AISI Code <i>(With invited translator: Dr. Xi Zhao)</i>
15:05~16:00	Prof. Yu Shi (JGJ/T 421-2018): Introduction to Technical Standard for Cold-formed Thin-walled Steel Multi-story Residential Buildings (JGJ/T 421-2018)
16:00~16:45	Mr. Nader ElHajj, FrameCad Co., Ltd Design Software for CFSS and solutions of FrameCAD <i>(With invited translator: Dr. Zhidong Zhang)</i>
16:45~17:30	Mr. Ding Zhaohui, Dahezhongbang (XiaMen) Intelligent Technology Co., Ltd Design Software for CFSS and solutions of Dahezhongbang

Note: 45 minutes for each course and 10 minutes for questions and break.

会议议程

短期课程（官方语言：中文）

2019年08月24日（周六）：关于冷弯型钢结构进展及设计方法的短期课程

目的：分享中美有关冷弯型钢结构工程实践及设计方法进展的知识。

08:30~09:25	Dr. Helen Chen (AISI): 北美冷弯型钢结构技术标准及应用
09:25~10:20	徐厚军教高 (GB50018): 中国冷弯型钢技术标准及应用
10:20~11:15	Asst. Prof. Zhanjie Li and Prof. Ben Schafer: 北美构件设计：直接强度法基础、发展及展望 <i>(邀请翻译: 李占杰副教授)</i>
11:15~12:10	李元齐教授 (GB50018): 基于中国规范的构件设计-有效宽度法
12:10~13:15	午餐
13:15~14:10	Prof. Cheng Yu and Asst. Prof. Kara Peterman: 基于 AISI 标准的冷弯型钢抗震设计 <i>(邀请翻译: 虞诚教授)</i>
14:10~15:05	Asst. Prof. Kara Peterman and Asst. Prof. Hannah Blum: 基于 AISI 标准的冷弯型钢连接设计 <i>(邀请翻译: 赵曦博士)</i>
15:05~16:00	石宇教授: 冷弯薄壁型钢多层住宅技术标准(JGJ/T 421-2018)介绍及应用
16:00~16:45	Mr. Nader ElHajj: 冷弯型钢结构设计设计软件及 FrameCAD 的解决方案 <i>(邀请翻译: 张智栋博士)</i>
16:45~17:30	丁朝晖副总经理: 冷弯型钢结构设计设计软件及大禾众邦的解决方案

注意：每节课 45 分钟，提问和休息共 10 分钟。

Colloquium Program

Agenda

CFSRC Workshop Meetings (Official language: English)

25 August, 2019 (Sunday) : Sino-US CFSRC Workshop Meeting Objective: To explore the details and initiate the steps that will provide enhanced research capabilities and outcomes for the combined CFSRC effort.	
8:30~9:30	Morning tour to State Key Laboratory in TJU (Siping Campus)
9:30~11:30	<ol style="list-style-type: none"> 1. Invited lecture by Prof. Ying Zhou: Introduction of Sino-US Collaboration on Seismic Engineering (Joint Laboratory and Collaboration between TJU and UC Berkeley, etc.) 2. Introduction of motivation on CFSRC mission, vision, expectation setting for Sino-US collaboration (Prof. Ben Schafer) 3. Consideration on Sino-American CFSRC collaboration (Prof. Yuanqi Li) 4. Participant Roundtable Discuss/revise mission, vision, expectations for collaboration; Discuss in country and across country organization? What individual investigators hope to achieve? How to help seed productive multi-nation pairings? 5. Organizational Strawmen for discussion: Task Groups suggested from China side are as follows: 1) CFSS; 2) Stainless; 3) Racks; 4) Members; 5) Connections; 6) Seismic; 7) Fire; 8) Wind; 9) Materials; 10) Concrete Composite Task Groups envisioned from U.S. side as follows: 1) Visioning/Needs Advocacy, 2) Proposal support, 3) Standards Support, 4) Shared Facilities, 5) Students/Internal Training 6. First take on projects to initiate collaboration on Topics of mutual interest, synergistic capability, and \$ potential 7. Possible events and activities (in the next two years)
11:30~11:45	Ceremonial start of CFSRC China (by Prof. Ben Schafer and Prof. Yuanqi Li)
11:45~12:00	Summary & Comments (Prof. Ben Schafer)

会议议程

冷弯薄壁型钢研究联盟(CFSRC)工作会议（官方语言：英文）

2019年08月25日（周日）：中美冷弯薄壁型钢研究联盟会议

目的：启动联盟并讨论合作细节，使联盟(CFSRC)具有更强的研究能力和成果。

8:30~9:30	参观同济大学土木工程防灾国家重点实验室
9:30~11:30	<ol style="list-style-type: none"> 1. 邀请报告: 周颖教授 介绍中美在抗震方面的合作情况（联合实验室及和 UC Berkeley 合作模式等） 2. 介绍联盟（CFSRC）的使命、动机、愿景和中美合作的期望设定（Prof. Ben Schafer） 3. 中美联盟（CFSRC）合作的初步考虑（李元齐教授） 4. 圆桌论坛 讨论/修订使命、愿景和合作期望； 讨论国内外组织及形式； 个体研究人员希望实现什么？ 如何实现多国合作？ 5. 专题方向组织者讨论内容： 中国方面建议的工作内容： 1) 冷弯薄壁型钢结构； 2) 不锈钢； 3) 钢货架； 4) 构件； 5) 连接； 6) 地震； 7) 火灾； 8) 风； 9) 材料； 10) 混凝土组合结构 美国方面建议的工作内容： 1) 展望/需求主张； 2) 提案支持； 3) 标准支撑； 4) 分享设施； 5) 学生培养 6. 合作首先在以下方面进行： 共同利益、协同能力和经费潜力等相关主题 7. 可能的事件和活动(未来两年中)
11:30~11:45	联盟(CFSRC)启动仪式 (Prof. Ben Schafer 和李元齐教授)
11:45~12:00	总结和评论 (Prof. Ben Schafer)

Colloquium Program

Transportation/交通路线

Colloquium Venue: Room 410, Zhonghe Building, Tongji University (Siping Campus), Shanghai, China

会议地点: 中国上海同济大学(四平路校区)衷和楼 410 室 (即综合楼 410 室)

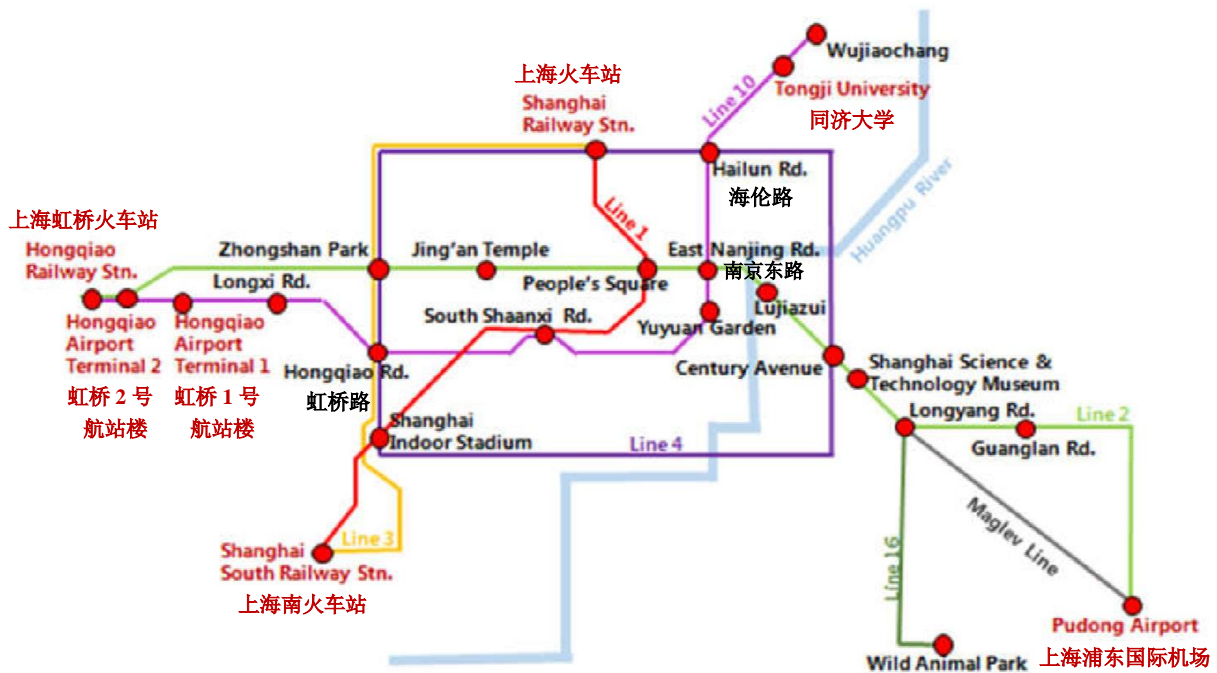
Map of Venue (线路图)



Colloquium Program

Transportation/交通路线

Metro Line to Tongji University:



(1) **From Pudong International Airport (PVG)** (about 100 minutes / RMB 7.00)

By Metro Line 2 to “East Nanjing Road” station and transfer Metro Line 10 to “Tongji University” station

(2) **From Hongqiao International Airport (SHA) or Hongqiao Railway Station** (about 60 minutes / RMB 5.00)

By Metro Line 10 to “Tongji University” station

(3) **From Shanghai Railway Station** (about 40 minutes / RMB 4.00)

By Metro Line 4 to “Hailun Road” station and transfer Metro Line 10 to “Tongji University” station

(4) **From Shanghai South Railway Station** (about 70 minutes / RMB 5.00)

By Metro Line 3 to “Hongqiao Road” station and transfer Metro Line 10 to “Tongji University” station

Colloquium Program

Transportation/交通路线

至同济大学地铁线路：

(1) 上海浦东国际机场至同济大学 (约 100 分钟 / RMB7.00)

乘坐地铁 2 号线→在“南京东路”站下车→同站换乘地铁 10 号线→在“同济大学”站下车

(2) 上海虹桥国际机场或虹桥火车站至同济大学 (约 60 分钟 / RMB5.00)

乘坐地铁 10 号线→在“同济大学”站下车

(3) 上海火车站至同济大学 (约 40 分钟 / RMB4.00)

乘坐地铁 4 号线→在“海伦路”站下车→同站换乘地铁 10 号线→在“同济大学”站下车

(4) 上海南火车站至同济大学 (约 70 分钟 / RMB5.00)

乘坐地铁 3 号线→在“虹桥路”站下车→同站换乘地铁 10 号线→在“同济大学”站下车

By Taxi (乘出租车)：

Please take me to:

请送我至：

Tongji Kingswell Hotel

同济君禧大酒店

Pudong International Airport T1/ T2

上海浦东国际机场 T1/ T2

Shanghai Railway Station

上海火车站

Shanghai South Railway Station

上海南火车站

Tongji University (Siping Campus)

同济大学(四平路校区)

Hongqiao International Airport T1/ T2

上海虹桥国际机场 T1/ T2

Hongqiao Railway Station

上海虹桥火车站

The Bund

上海外滩

First Sino-American

CFSRC

COLD-FORMED STEEL RESEARCH CONSORTIUM

