

第三届智能工业设计技术研讨会暨 2018 天沭软件产品用户大会

The 3rd Intelligent Industrial Design Conference
& 2018 Users Conference of Tianfu Software

邀请函 Invitation

尊敬的先生/女士：

您好！

第三届智能工业设计技术研讨会 IIDC (Intelligent Industrial Design Conference)
暨 2018 天沭软件产品用户大会将于 2018 年 9 月 6 日-7 日在江苏省南京市召开。

本次研讨会将邀请中国、德国、瑞典、捷克、意大利、加拿大、日本等知名企业工程师及高校教授分享最新的计算机智能设计技术和人工智能设计方法 ,以及前沿技术在叶轮机械、船舶海事、汽车、航空航天等领域工业产品设计研发中的应用。

Dear Sir/Madam:

We hereby sincerely invite you to participate in the 3rd Intelligent Industrial Design Conference & 2018 Users Conference of Tianfu Software which will be held on September 6th-7th, 2018 in Nanjing, China.

Professors and experts who come from well-known enterprises in China, Germany, Sweden, Czech, Italy, Canada and Japan will be invited to share up-to-date views of the intelligent design technology, as well as the applications of these concepts and methods in turbomachinery , ship-building, automotive and aerospace areas.



日程表

2018/9/6

12:00-13:30 报到

13:30-17:30 技术培训及行业研讨会，分三个分会场进行，具体安排如下表

● **第一分会场**：叶轮机械行业--计算流体力学软件 TCFD 培训

时间	内容
13:30-14:30	TCFD软件介绍
14:30-15:30	TCFD教程案例操作培训
15:30-15:45	茶歇
15:45-16:45	TCFD新案例操作培训
16:45-17:30	讨论及答疑

● **第二分会场**：汽车/航空航天行业—参数化建模优化设计软件 CAESES 培训

时间	内容
13:30-14:30	CAESES基本功能介绍
14:30-15:30	全参数化建模实例介绍（汽油机燃烧室/飞机进气道）
15:30-15:45	茶歇
15:45-17:30	CAESES实例操作培训

● **第三分会场**：船舶行业--船型优化大赛总结及经验分享会

时间	内容
14:00-14:30	参赛作品CAESES使用点评
14:30-15:00	参赛作品CFD结果点评
15:00-15:15	茶歇
15:15-16:30	交流讨论



2018/9/7

8:00-9:00 报到（可选择9月6日中午或者7日早上中的一个时间进行报到）

时间	内容
9:00-9:15	致开幕词 张明，南京天沚软件有限公司
9:15-9:45	智能互联网时代的智能制造 贺志强，联想集团
9:45-10:15	联想全球制造大数据平台的架构演进及技术创新 于辰涛，联想大数据部
10:15-10:25	天沚CAESES船型优化大赛颁奖仪式
10:25-10:40	茶歇
10:40-11:10	基于船舶快速性和耐波性的均衡优化设计 陈伟民，上海船舶运输科学研究所
11:10-11:40	运用CAESES进行整体设计与优化 Stefan Harries，德国FRIENDSHIP SYSTEMS公司
11:40-12:10	“工业设计+AI”=重构您的工业设计 张儒，南京天沚软件有限公司
12:10-12:20	二等奖抽奖，幸运奖抽奖
12:20-13:30	午餐



时间	内容	
	第一分会场（船舶领域）	第二分会场（非船舶领域）
13:30-14:00	基于CAESES的舵球推力鳍设计 杨帆, 上海船舶运输研究所	汽轮机叶片安全性评估自动化平台开发及工程应用 马义良, 哈尔滨汽轮机厂有限责任公司
14:00-14:30	激励广阔视野 - DNVGL数字化服务部介绍及在海事行业应用 黄昊, DNV-GL	应用AIPump, CAESES和CFX进行泵老化的性能预测 富松重行. 日本电业社机械研究所
14:30-15:00	CAESES线型重构及静水力模拟应用 陆佳颖, 上海振华重工股份有限公司	汽车进气系统中的CAESES优化应用 张颖, 曼胡默尔
15:00-15:30	CAESES在全船优化上的应用 陆琛亮, 上海船舶研究设计院	基于CFD仿真分析的汽车动力总成部件(从进气到排气)的参数化及自由变形优化 Giuseppe Cicalese, 意大利R&D CFD
15:30-15:40	三等奖抽奖	
15:40-16:00	茶歇	
16:00-16:30	全参数化建模应用经验分享 谢畅, 南通中远川崎	TCFD-让CFD模拟超乎想象 Luboš PirkI, 捷克CFD Support公司
16:30-17:00	利用CAESES和SHIPFLOW对多种船型的水动力优化 Michal Orych, 瑞典Flowtech公司	风扇涵道非轴对称造型设计及优化 钱煜平, 清华大学
17:00-17:30	船舶兴波的Neumann-Michell理论 何佳益, 上海交通大学	赛车尾翼的仿真驱动设计 Carolina Cura, 德国柏林工业大学
17:30-18:00	CAESES与NAVCAD耦合优化船型 刘志坚, 南京天沚软件有限公司	电动汽车热管理解决方案介绍 崔树鑫, 南京天沚软件有限公司

时间	内容
18:30-18:40	一等奖抽奖, 幸运奖抽奖
18:40-18:50	颁奖仪式
18:50-19:00	晚宴致辞
19:00-21:30	宴会



Schedule

2018/9/6

12:00-13:30 Registration

13:30-17:30 Technical training and symposium (Three branch Meeting-places)

- **The first branch Meeting-place:**

Turbomachinery industry—Workshop on TCFD

Time	Content
13:30-14:30	TCFD introduction
14:30-15:30	TCFD tutorial run - including hands-on for those who are interested
15:30-15:45	Tea Break
15:45-16:45	TCFD new case set-up
16:45-17:30	TCFD questions and answers & discussion

- **The second branch Meeting-place**

Automotive and aerospace industry -- Workshop on CAESES

Time	Content
13:30-14:30	Basic functions introduction of CAESES
14:30-15:30	Introduction of parameterized modeling cases (Gasoline engine combustor /Aircraft intake port)
15:30-15:45	Tea Break
15:45-17:30	Hand-on training of CAESES

- **The third branch Meeting-place**

Shipping industry

-- Symposium on the competition of ship hull form optimization

Time	Content
14:00-14:30	Comment on CAESES operation of entries
14:30-15:00	Comment on CFD results of entries
15:00-15:15	Tea Break
15:15-16:30	Q&A



2018/9/7

8:00-9:00 Registration (Any of the two registration time periods is OK)

Time	Event
9:00-9:15	<p>Welcome Speech Ming Zhang, Nanjing Tianfu Software Co.,ltd</p>
9:15-9:45	<p>Intelligent manufacturing in the age of intelligent Internet George He, Lenovo Group</p>
9:45-10:15	<p>Architecture evolution and technological innovation of Lenovo global manufacturing big data platform Chentao Yu, Lenovo data Department</p>
10:15-10:25	<p>Tianfu awarding ceremony for Ship optimization contest using CAESES</p>
10:25-10:40	<p>Tea Break</p>
10:40-11:10	<p>Balanced optimization design based on rapidity and seakeeping of ship Weimin Chen , Shanghai ship and shipping research institute(SSSRI)</p>
11:10-11:40	<p>CAESES for Holistic Design and Optimization Stefan Harries, FRIENDSHIP SYSTEMS, Germany</p>
11:40-12:10	<p>"Industrial design +AI" = Refactoring your industrial design Ru Zhang, Nanjing Tianfu Software Co.,ltd</p>
12:10-12:20	<p>Draw for the second prize</p>
12:20-13:30	<p>Lunch</p>



Time	Event	
	The first branch venue (Shipping&Maritime)	The second branch venue (Other fields)
13:30-14:00	Rudder ball thrust fin design with CAESES Fan Yang, SSSRI	Development and engineering application of automation platform for turbine blade safety assessment Yiliang Ma, Harbin Turbine Company Ltd.
14:00-14:30	Inspired by a broader view–DNVGL–Digital Solutions and application & development in Maritime industry Hao Huang, DNV-GL	Performance Prediction of Pump under Age-Related Deterioration using AI Pump, CAESES, and CFX Shigeyuki Tomimatsu , DMW
14:30-15:00	Linear reconstruction and application of hydrostatic simulation with CAESES Jiaying Lu, ZPMC	Optimization of automobile intake system with CAESES Ying Zhang, Mann-Hummel Group
15:00-15:30	CAESES application on hull optimization Chenliang Lu, SDARI	Free-form and parametric optimization of powertrain components using CFD: from the intake to the exhaust line Giuseppe Cicalese, R&D CFD
15:30-15:40	Draw for the third prize	
15:40-16:00	Tea Break	
16:00-16:30	CAESES fully parametric modelling Chang Xie, NACKS	Unlimited CFD simulations using TCFD Luboš Pirkli, CFD Support
16:30-17:00	Application of SHIPFLOW / CAESES software to hydrodynamic optimization of various ship types Michal Orych, Flowtech	Design and optimization of non axisymmetric modeling of fan culvert Yuping Qian, Tsinghua University
17:00-17:30	Introduction on potential flow Neumann-Michell theory Jiayi He, Shanghai Jiaotong University	Simulation-driven Design of a Race Car Rear Wing Carolina Cura, Technical university of Berlin
17:30-18:00	Hull form optimization with CAESES and NAVCAD Zhijian Liu, NJTF	Introduction of heat management solutions for electric vehicles Ivan , NJTF

Time	Event
18:30-18:40	Draw for the first prize
18:40-18:50	Awarding ceremony
18:50-19:00	Banquet Speech
19:00-21:30	Banquet



主讲嘉宾介绍 Introduction of speakers

主会场（按报告顺序） The main venue (Sort by the reports sequence)



张明 Ming Zhang

南京天沅软件有限公司董事长,清华大学水利系硕士,日本九州工业大学工学博士、客座教授,江苏省“双创计划”特聘专家。

President of Nanjing Tianfu Software Co.,Ltd. Master of Tsinghua University. Ph.D and Visiting professor of Kyushu University of Technology, Japan. Special experts of “Dual entrepreneurial plan” in Jiangsu province.



贺志强 George He

联想集团高级副总裁,联想创投集团总裁,兼任中国科学院计算技术研究所研究员、博士生导师、北京航空航天大学兼职教授。

Senior Vice President of Lenovo Group, Capital President of Lenovo Venture, Researcher and doctoral tutor of Chinese Academy of Sciences, Part-time professor of Beihang University.



于辰涛 Chentao Yu

联想大数据首席架构师、执行总监。从事大数据研究超过 10 年,设计了联想工业大数据 LEAP 产品家族,推动联想数字化转型。

Big data chief architect and executive director of Lenovo. More than 10 years of large data research. He design the Lenovo industrial data LEAP family which promot the digital transformation of Lenovo.



陈伟民 Weimin Chen

研究员,上海船舶运输科学研究所航运技术与安全事业部副主任。从事船舶水动力综合性能的研究,承担了多项国家省部级科研项目。

Researcher. Deputy director of Shanghai ship and shipping research institute(SSSRI). Research on marine hydrodynamic force. Undertaken a number of national research projects at provincial and ministerial level.





Stefan Harries

德国 FRIENDSHIP SYSTEMS 公司创始人,董事总经理。柏林工业大学博士。原柏林工大船舶设计部科学家,专注于计算机辅助设计。

Managing director of FRIENDSHIP SYSTEMS. Ph.D of TU Berlin. Stefan worked as a scientist at TU Berlin's Ship Design Division, focusing on Computer Aided Design and Computational Fluid Dynamics.



张儒 Ru Zhang

南京天湫软件有限公司高级研发工程师,清华大学硕士,研究方向为智能设计“工业设计+AI”,可预测性维护和故障诊断,算法设计。

Senior research and development engineer of Nanjing Tianfu Software Co.,Ltd. Master of Tsinghua University. Research direction: Intelligent design, "industrial design +AI", algorithm design.

第一分会场 (按报告顺序) The first branch venue (Sort by the reports sequence)



杨帆 Fan Yang

上海船舶运输科学研究 (SSSRI) 航运技术与安全事业部助理研究员,研究方向:船舶快速性数值模拟、船型优化、节能附体设计。

Assistant Researcher of Shanghai ship and shipping research institute (SSSRI). Background: CFD simulation, hull form optimization Energy saving devices design.



黄昊 Hao Huang

DNV·GL 数字化服务部 大中国区总经理

General manager of DNV·GL Digital Services Department in China.



**陆佳颖 Jiaying Lu**

上海振华重工(集团)股份有限公司船舶详细设计总体工程师,研究方向为船体型线设计、一般与特殊船型的稳性衡准校核。

General engineer for ships detail design of Zhenhua Port Machinery Co.,Ltd. (ZPMC). Research direction: Hull form design, stability criteria calculation.

**陆琛亮 Chenliang Lu**

上海船舶研究设计院工程师,研究方向:货船,油船,集装箱船,气体船,汽车船,客滚船等各种船型线型开发。

Engineer of SDARI. Research direction: Hull form design on various ship types.

**谢畅 Chang Xie**

南通中远海运川崎船舶工程有限公司工程师。研究方向:极地船及常规船型线型优化。

Engineer of NACKS. Research direction: Hull form optimization for polar class ships.

**Michal Orych**

瑞典 Flowtech 公司副总经理,博士,深度参与 SHIPFLOW 软件内核的开发与应用。具有丰富的 CFD 仿真计算及船型优化经验。

Ph.D, Deputy managing director of Flowtech. Deeply Participating in the development and application of SHIPFLOW software. A lot of experience in CFD simulation and ship form optimization.

**何佳益 Jiayi He**

上海交通大学博士,研究方向:船舶兴波的 Neumann-Michell 理论,船型优化,高速船的远场波系。

Ph.D of Shanghai Jiaotong University. Research direction: Neumann-Michell theory, Hull form optimization, Wave system of high speed ship.





刘志坚 Zhijian Liu

南京天沓软件有限公司船舶设计优化应用工程师，研究方向：船舶性能优化，总体设计与 CAE 仿真。

Engineer of Nanjing Tianfu Software Co.,Ltd. Research direction: Ship performance optimization, overall design and CAE simulation.

第二分会场（按报告顺序） The second branch venue(Sort by the reports sequence)



马义良 Yiliang Ma

哈尔滨汽轮机厂有限责任公司研究院气动室主任。主要从事涡轮叶片研发设计工作。曾获哈尔滨市“科技进步一等奖”。

Director of the pneumatic department in Harbin Turbine Company Ltd. Engaged in the design and development of turbine blades. He was honored "First prize in scientific and technological progress" of Harbin.



富松重行 Shigeyuki Tomimatsu

工学博士，日本电业社机械研究所 研究科 科长，新潟大学兼职教授。研究领域：叶轮机械计算流体动力学及优化。

Doctor of Engineering. Chief of research section in DMW. Part-time professor of Niigata University. Research area: computational fluid dynamics and optimization of Turbomachinery.



张颖 Ying Zhang

曼胡默尔滤清器（上海）有限公司 仿真工程师。研究方向：汽车零部件仿真分析。

Simulation engineer of Mann-Hummel Shanghai. Research area: Simulation and analysis of auto parts.





Giuseppe Cicalese

摩德纳大学博士，意大利 R&D CFD 公司 CEO 及联合创始人。

Ph.D , CEO and Co-Founder of R&D CFD, a Spin-Off Company of the University of Modena and Reggio Emilia.



钱煜平 Yuping Qian

清华大学汽车系博士后，助理研究员，研究领域：涡轮增压、涡轮电推进。

Postdoctor and Research Assistant of Tsinghua University automobile department. Research field-Turbo charging, turbo electric propulsion.



Luboš PirkI

捷克理工大学博士，捷克 CFD SUPPORT 公司总经理、联合创始人，负责公司运营、战略规划及营销。

Ph.D of Czech Technical University. Co-founder and managing director of CFD SUPPORT. Responsible for CFD SUPPORT external operations, strategy, marketing, and sales



Carolina Cura

柏林工业大学物理工程硕士，研究领域：流体力学，尤其是道路车辆空气动力学。

Master of Science in Physical Engineering from Technical University of Berlin. Research field Fluid Mechanics , especially Road Vehicle Aerodynamics- CFD and experiments.



崔树鑫 Ivan Cui

南京天沓软件有限公司汽车航空事业部部长，北京航空航天大学博士，具有深厚的 CFD 理论基础，丰富的 CFD 代码编程经验。

Head of the automotive and aerospace department of Nanjing Tianfu Software Co.,Ltd. Ph.D of Beihang University. Deep CFD foundation, rich CFD code programming experience.



会议信息 Conference information

会议时间：2018年9月6日-7日

会议地点：南京景枫万豪酒店

主办单位：南京天沭软件有限公司

赞助单位：联想创投；DNV·GL

Date : September 6th-7th, 2018

Venue : MARRIOTT NANJING SOUTH HOTEL

Holder : Nanjing Tianfu Software Co.,Ltd

Sponsor : Lenovo ; DNV·GL

报名方式 Sign up

请选择以下任意一种方式报名

1. 电邮报名：访问网址 <http://www.njtf.cn/detail/755.html> 下载报名表，填写信息后将报名表发送至如下邮箱 info@njtf.cn。

Please click on the link <http://www.njtf.cn/detail/755.html> to download the application form and fill the blanks then send the form to info@njtf.cn.

2. 微信报名：微信扫描下方二维码，在电子报名表中填写信息并提交。



费用说明 Fees

本次用户大会参会及餐饮免费；差旅及住宿费自理。

The conference will be free of charge for attendees and free for all meals. The traffic and accommodation costs should be paid by your own.



会议说明 Notice

1. 大会不提供笔记本电脑，建议参加 9 月 6 日培训会的用户自带笔记本电脑。

We do not offer computers. If you want to participate in the training course on September 6th you would better bring the computer by yourself.

2. 大会一、二、三等奖抽奖为主办方为参会人员提供的福利，奖品在抽奖完成后揭晓，9 月 7 日晚宴期间进行颁奖。所有在大会现场报到注册的参会者均会自动进入抽奖数据库。

We offer the welfare for all the participants by luck draw. The awarding ceremony will be during the banquet on September 7th.

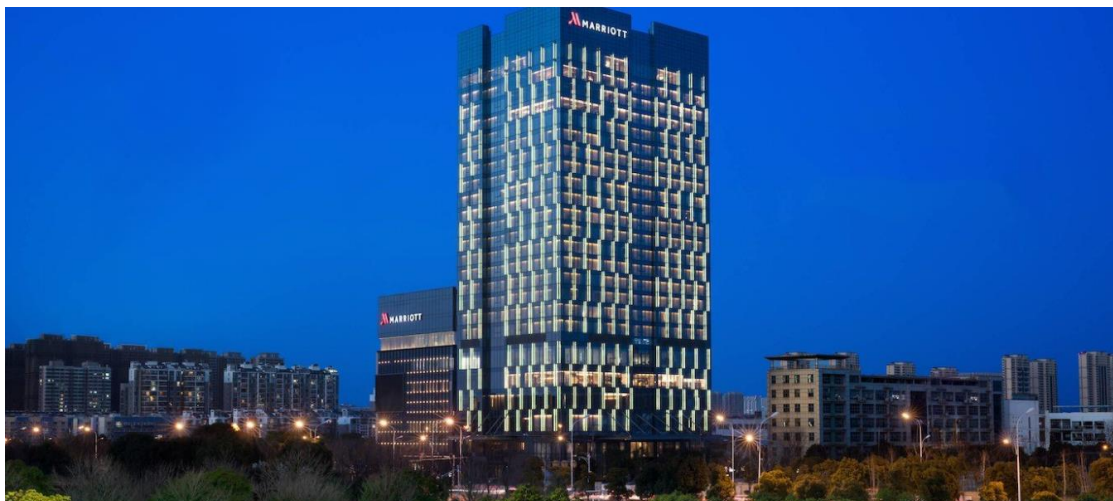
3. 大会期间拍摄的照片影片等活动资料将用于南京天沚软件有限公司的市场宣传。

The photos and videos we took during the conference will be used on the Propaganda of Nanjing Tianfu Software Co.,Ltd

地铁路线 The subway Route

会议地点：南京景枫万豪酒店（江苏省南京市江宁开发区双龙大道 1519 号）

Venue: MARRIOTT NANJING SOUTH HOTEL (No. 1519 Shuanglong Road, Jiangning Development Zone, Nanjing City, Jiangsu Province, China)



★ 由南京南站出发：南京南站→地铁 1 号线（4 站）→百家湖站（2 号口）→步行 596 米→南京景枫万豪酒店（总计用时约 20 分钟）

★ 由南京禄口国际机场出发：禄口机场站→地铁 S1 号线（7 站）→南京南站→地铁 1 号线（4 站）→百家湖站（2 号口）→步行 596 米→南京景枫万豪酒店（总计用时约 70 分钟）

★ From Nanjing South Railway Station: Nanjing South Railway Station→Metro Line 1 (4 points)→Baijiahu Station(Exit from port 2)→596 meters by foot→MARRIOTT NANJING SOUTH HOTEL (Total about 20 minutes)

★ From Nanjing Lukou International Airport: Lukou Airport station→Metro Line S1 (7 points) →Nanjing South Railway Station→Metro Line 1 (4 points) →Baijiahu Station (Exit from port 2) →596 meters by foot→MARRIOTT NANJING SOUTH HOTEL (Total about 70 minutes)

