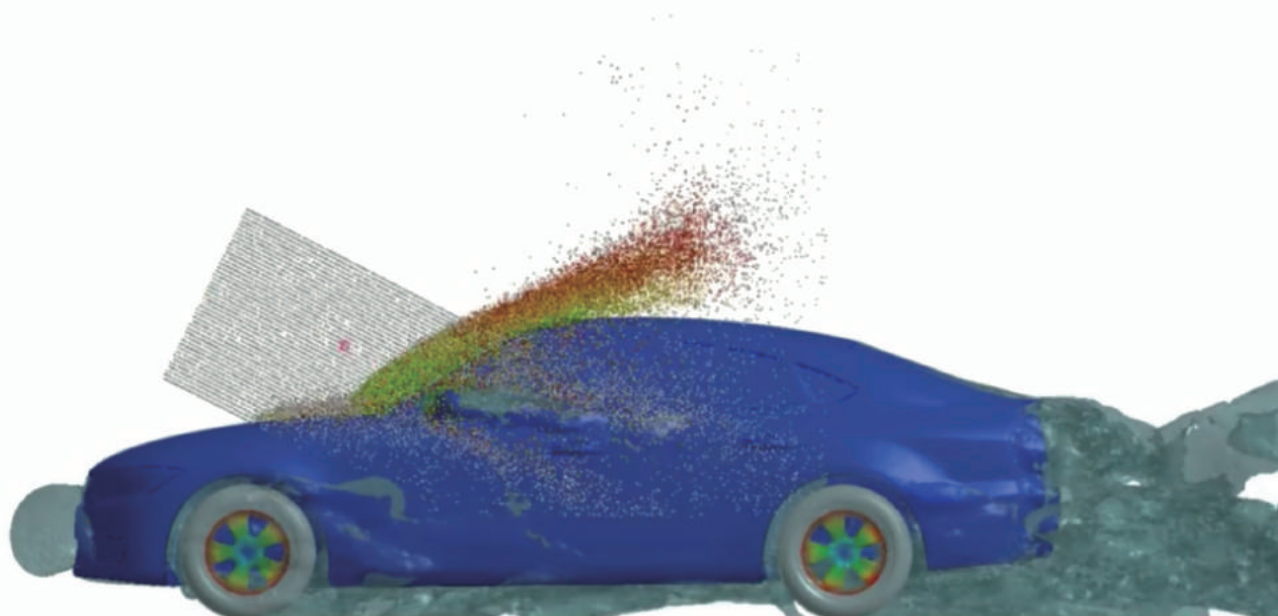


2019.10.21
2019.10.23 中国上海

2019第四届 LS-DYNA[®] 中国用户大会 会议及论文征集

主办单位:

美国 Livermore Software Technology Corp.
中国 上海仿坤软件科技有限公司
中国 大连富坤科技开发有限公司



2019 第四届 LS-DYNA 中国用户大会

美国LSTC公司与上海仿坤软件科技有限公司定于2019年10月21-23日在上海举办第四届LS-DYNA中国用户大会。届时LSTC公司将向各行业参会代表展示和分享最新的产品功能及开发策略,并邀请海内外专家, LSTC的技术骨干, 广大知名及典型用户分享使用经验和成功案例, 共同探讨LS-DYNA软件的最新技术及行业发展趋势。

本次大会的宗旨是促进软件开发者与用户之间以及用户与用户之间的互动及交流。在此,我们特向广大用户征集相关应用论文,涵盖(不限于)汽车、航空航天、电子产品、日用消费品、生物力学、铁道机车、船舶、土木工程、通用机械等各个行业。我们热诚欢迎广大用户踊跃投稿,递交你们的技术论文,出席会议并分享你们的经验。



会议日期: 2019年10月21-23日

会议地点: 上海中星铂尔曼大酒店(上海市徐汇区浦北路1号)

会议费: 1000元/人, 高校师生: 500元/人

200名免费注册名额抢注中, 2019年7月31日截止!!!

会议网址: <http://conference.lsdyna-china.com>

联系我们: conf@lsdyna-china.com

大会日程安排

| | | |
|--------|----------------|---|
| 10月21日 | 晚上 | 签到; 欢迎茶话会 |
| 10月22日 | 上午(大会主会场) | <p>“欢迎致辞”</p> <p>– John O. Hallquist博士 - 美国工程院院士, LSTC公司创始人和总裁</p> <p>“LSTC 及 LSTC 产品概述”</p> <p>– Dilip Bhalsod LSTC全球业务经理, 车辆仿真模拟专家</p> <p>“高级材料系统分析、设计和制造的数据驱动力学多尺度建模平台”</p> <p>– 廖荣锦教授·美国西北大学教授</p> <p>“LS-DYNA 在航空领域的应用: 不仅仅限于冲击仿真”</p> <p>– 胡寿丰博士·中国航空研究院上海分院首席科学家</p> <p>“振动负荷下的产品设计和CAE”</p> <p>– 辛平博士·东京大学工学博士, 在日华人汽车工程师协会(JCSAE) 会长</p> <p>其他嘉宾邀请中.....</p> |
| | 下午(技术和应用专题分会场) | <p>LS-DYNA汽车碰撞技术和应用专题1;</p> <p>LS-DYNA模拟技术和并行计算专题1;</p> <p>LS-DYNA的多种求解器方法和应用专题1;</p> <p>LS-DYNA板料成形, 隐式计算应用专题;</p> <p>LS-DYNA创新仿真大赛优胜奖报告</p> |
| | 晚上 | 晚宴 (LS-DYNA最佳论文奖颁奖; LS-DYNA创新仿真大赛颁奖) |
| 10月23日 | 上午(技术和应用专题分会场) | <p>LS-DYNA汽车碰撞技术和应用专题2;</p> <p>LS-DYNA模拟技术和并行计算专题2;</p> <p>LS-DYNA的多种求解器方法和应用专题2;</p> <p>LS-DYNA优化设计, 前后处理技术专题;</p> |
| | 下午(大会主会场) | <p>LS-DYNA爆破分析及其应用</p> <p>– 易长平博士·瑞典爆破研究中心爆破分析专家</p> <p>LS-DYNA最新功能及其应用</p> <p>– LSTC公司LS-DYNA开发专家: 葉益盛博士、王季先博士、黄云博士、任波博士、吴锦博士</p> <p>大连富坤高级工程师: 于文会</p> |

参加会议邀请和报名

本次大会的宗旨是促进软件开发者与用户之间以及用户与用户之间的互动及交流。我们真诚邀请并热烈欢迎学术界和工业界的专家学者, 广大用户递交你们的技术论文, 出席会议并分享你们的经验。同时热烈欢迎合作伙伴出席和参加本次大会, 设立展台展示你们的产品。如需要邮寄邀请函或有任何会议问题, 请联系我们。

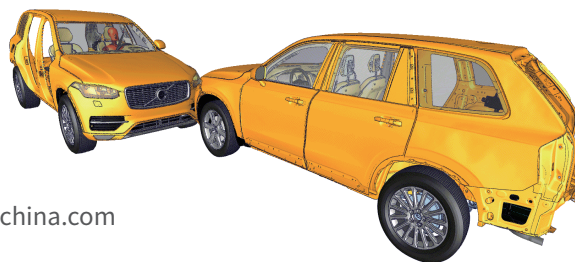
联系人: 俞琴

邮箱: conf@lsdyna-china.com

手机: 18221209107

*大会的信息将随时发布在会议

网址: <http://conference.lsdyna-china.com> 请关注和查看



论文征集

本次大会中开发者与用户之间的互动和交流占非常重要的地位。为了促进LS-DYNA用户的技术交流并拓展LS-DYNA的应用领域, 我们热诚欢迎来自各个领域使用LS-DYNA应用成果的技术论文, 恳请各位不吝赐稿。优秀的论文作者, 将被邀请作为此次大会的演讲嘉宾并在技术和应用专题会场演讲。

①征稿范围

②投稿方式

| 专业学科 | 学术领域 |
|--|---|
| 汽车碰撞 乘员安全和CPM气囊 金属成形 结构优化 复合材料及其它新材料 可靠性 点焊、粘结技术 隐式算法 行人保护安全 冲击、跌落实验 弹道和穿透 流固耦合分析和ALE CFD计算流体力学 CAE流程整合 振动、噪声和疲劳分析 热流 电磁耦合 离散单元法和SPH 云计算 仿真数据管理 | 汽车 航空航天 制造 生物力学 土木工程 核工程 地震工程 船舶、离岸工程 交通工程 日用消费品 铁道机车 通用机械 电子产品等 |

请将摘要(1-2页)或全文在年会网站递交<http://conference.lsdyna-china.com/>
语言: 中文或英文
欢迎同时投送中英文稿件; 请写明通讯地址、邮编和电子邮件
论文递交如有问题请联系:
俞琴 / 手机: 18221209107 / 邮箱: conf@lsdyna-china.com

③摘要提交截止日期

2019年8月20日

④录用稿通知截止日期

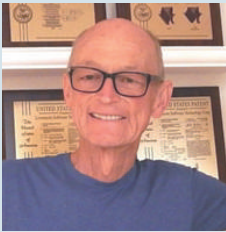
2019年9月1日

⑤正文提交截止日期

2019年9月20日
英文优秀论文将发表在“FEA Information Engineering Journal”(ISSN #2167-1273)英文版期刊
中文优秀论文将发表在FEA Information 中文“有限元资讯”期刊

⑥本届大会将设立优秀论文奖, 22日大会晚宴时揭晓并颁奖。

*一等奖获得者可推荐免费参加2020年LS-DYNA美国全球年会(包含大会期间来回机票及住宿费)



John O. Hallquist 博士

美国工程院院士, LSTC公司创始人和总裁。在有限元计算业界,他和他的团队研发的LS-DYNA软件令人瞩目,LS-DYNA代表了非线性、显式算法领域极高的工程研究和应用成就,Dr. John O. Hallquist是有限元计算业界最受人尊敬的专家之一。1974年于Michigan Technological University获得博士学位后,1987年, Hallquist博士创立了Livermore Software Technology Corporation (LSTC公司),并推出了DYNA的商业化版本LS-DYNA,基于他对以DYNA和之后的LS-DYNA为代表的显式有限元方法的杰出贡献,他在2007年当选为美国国家工程院院士。



Dilip Bhalsod

Dilip Bhalsod是LSTC全球业务经理。负责美洲和欧洲经销商的管理,市场销售及其合作伙伴之间的技术联盟。Dilip于1978年获得英国Leyland大学汽车工程学士学位,并开始在汽车行业工作。1984年起从事汽车碰撞分析工作。1995年到2004年在通用汽车负责LS-DYNA的技术支持。2004年到2016年任LSTC密歇根的技术经理,负责LS-DYNA技术支持和客户培训。他与通用,福特,克莱斯勒,丰田,本田,捷豹等全球多家汽车公司及供应商一起合作,对客户进行LS-DYNA的技术支持和培训。



廖荣锦 教授

廖荣锦教授是美国西北大学终身教授,先进材料系统与仿真中心主任,国际计算力学协会 (IACM) 前任主席 (2017-2018), 美国国家科学院美国力学国家委员会前任主席 (2015-2016) 和国际科学组织理事会成员。从事的活动包括开发ICME多尺度理论、方法和软件,先进和增材制造的实验验证。廖教授获得许多计算力学界最高的荣誉奖章包括日本计算工程科学学会大奖, IACM高斯-牛顿奖章和计算力学奖,美国计算力学协会 (USACM) 的John von Neumann奖章和计算结构力学奖。廖教授是两本国际期刊的主编和两本期刊的荣誉主编,他有四本专著,也是ASME, ASCE, USACM, AAM和IACM的会士。



胡寿丰 博士 研究员

中国航空研究院上海分院首席科学家,树脂基、陶瓷基复合材料相关技术课题组负责人。多年来从事航空发动机复合材料部件的基础研究,在硬物和软体冲击载荷下编织复合材料细观力学、损伤累积、多尺度损伤模型等研究领域具有丰富的经验,成就斐然。同时,还在复合材料的结构振动、高低周疲劳、损伤力学等领域有着深入研究,并应用于实际工程项目,颇有建树。



辛平 博士

东京大学工学博士、77年恢复高考一期生(鞍山钢院学士、北京钢院硕士),日本东芝集团(东芝陶瓷、东芝医疗系统)工作近30年,一贯从事计算机仿真技术的研发,跨金属、陶瓷和半导体的材料以及医疗系统的机械(振动)、多领域实践了基于仿真技术的精益产品设计。拥有日本仿真技术上级分析师资格(JSME)和国际仿真技术上级分析师资格(NAFEMS)。鞍山科技大学、北京科技大学、清华大学精细陶瓷与加工国家重点实验室的多所大学的兼职或客座教授,日本Tokai Univ.、Institute of Technologists非常勤讲师。担任国家科技部火炬计划海外专家,国家教育部长江学者海外评审专家、在日华人



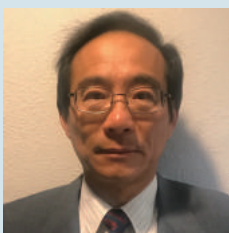
易长平 博士

2005年博士毕业于武汉大学,研究方向为工程爆破。2005-2011年在武汉理工大学从事与爆破相关的教学和科研工作,2011-2013年在瑞典吕勒奥理工大学瑞典爆破研究中心从事博士后研究,2013至今在瑞典爆破研究中心从事科研和教学工作。主要研究领域为与爆破相关的数值模拟,炸药的非常理想爆轰特性以及应力波与地下洞室的相互作用问题。



葉益盛 博士

葉益盛1992年获得西北大学理论与应用力学博士学位。1994至2000年他曾任通用汽车公司的项目工程师, 2000年至2007年在福特汽车公司担任技术专家。2007年作为开发人员加入LSTC。Yeh致力于开发接触算法, 等几何分析, 控制体积安全气囊, 安全带, 传感器, 压电材料和新的单元模式等。除此之外, 他开发了LS-PrePost®的Abaqus和Radioss输入文件翻译器, 还参与了轴对称的SPH开发。



王季先 博士

王季先博士是LSTC高级软件工程师。于1988年取得加州大学伯克利分校核工程系博士学位。毕业后加入富士通超级电脑工程应用部门, 專精連結电脑软硬件使其有效达到缩短仿真的時間。1997年加入LSTC, 负责LS-DYNA显式求解器并行计算的研发。同时也致力于CONTACT, FSI, ALE, SPH, CPM and DEM的研发和工程应用, 使這些功能不僅得以高效的運做在高速电脑而且可以進行复杂的耦合分析。由于工程问题的规模不断增长, 他專注於發展LS-DYNA HYBRID/MPP以期面对将来更大的工程计算挑战。王博士是美国汽车工程师学会 (SAE International) 会员并获得该学会2012年度Vincent Bendix Automotive Electronics Engineering Award。



黄云 博士

2006年毕业于美国明尼苏达大学土木工程系, 并作为高级研发工程师加入LSTC从事LS-DYNA内频域分析功能的开发和工程应用。从2006年至今, 黄云博士在LS-DYNA中开发了一系列频域分析的求解器, 如频率响应函数、稳态振动、随机振动、反应谱分析、基于有限元和边界元方法的声学计算以及疲劳计算等。这些频域分析功能广泛应用于包括汽车的NVH、发动机噪声模拟、振动台实验的数值模拟、金属结构寿命分析、运动器材音响品质分析、土木水利建筑和核电站的抗震分析等工业领域。



任波 博士

任波博士于2014年加入LSTC。目前作为资深科学家在数值计算和多尺度模型研发团队(CMMG)内负责了一个研究组进行先进材料模型开发。CMMG研发团队致力于先进数值计算方法的研究以解决当前工业应用中面对的材料分析, 加工过程和结构仿真等具有多尺度效应的难点问题。所涉及的方法和模型有adaptive EFG/FEM, XFEM, SPG, Peridynamics, RVE, Fluid Particle Method, MEFEM, SPH和XFEM。任波于2003在华中科技大学获得博士学位并留校任教, 2005年晋升副教授。2009—2013作为项目科学家在加州大学伯克利分校从事研究工作。任博士在国际学术期刊发表了三十余篇学术论文。从2009年作为U.S. Association for Computational Mechanics (USACM)的会员, 在一本国际学术期刊中担任编委, 并作为committee member服务于数个USACM workshops。



吴锦 博士

毕业于美国辛辛那提大学, 拥有十八年冲压行业的工作经验, 曾就职于美国戴姆勒克莱斯勒汽车公司及中国多家汽车主机厂, 专致于成形仿真、模具开发、车身轻量化及新材料新工艺应用等。于2018年加入LSTC, 从事LS-DYNA在冲压领域应用的技术创新及支持。



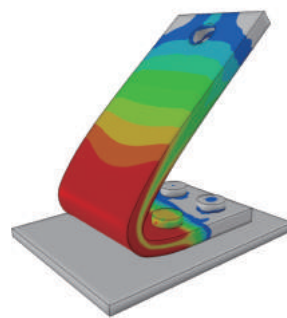
于文会 高级工程师

2006年获得大连理工大学计算力学硕士学位, 主修有限元网格生成及优化。2006-2008在澳大利亚昆士兰大学地球科学计算中心做访问学者, 参与基于有限元分析的海啸预测分析项目, 主攻任意边界四面体有限元网格生成算法。2008年起, 在LSTC大连研发中心担任技术经理, 从事LS-PrePost的研发、维护、以及支持等工作。

培训课程

本届LS-DYNA用户大会在会议前后提供技术培训。所有培训课程由美国LSTC资深专家讲授。这些专家都是多年从事LS-DYNA研究, 开发和技术支持的专业人士。培训课程内容及指导教师介绍等, 请查看会议网页
<http://conference.lsdyna-china.com>。

- (1) 授课方式: 课堂讲授。大多数课程包括上机实习, 学员需自带笔记本电脑。
- (2) 颁发证书: 学员可获得美国LSTC公司与上海仿坤软件科技有限公司共同颁发的《LS-DYNA技术培训》证书。
- (3) 报名方式: 请填写LS-DYNA技术培训报名表后, 通过E-mail发至Training@lsdyna-china.com
- (4) 报名截至日: 2019年10月10日。每门课程参加人数不超过30人。少于8人不开课。
- (5) 培训费用: 包括培训费, 资料费, 午餐费。住宿自理。



| 课程编号 | 课程 | 日期 | 费用 |
|------|--|--------|-----------|
| C1 | LS-DYNA爆破分析及应用 (粒子法模拟炸药爆轰, 离散元法模拟岩石的破碎, 爆破效果的后处理) | 21日 | RMB 2,000 |
| C2 | LS-DYNA软件SPH法理论与应用 | 21日 | RMB 2,000 |
| C3 | LS-PrePost软件功能及应用 | 21日 | RMB 2,000 |
| C4 | LS-DYNA在板料成型模拟中的应用 | 21日 | RMB 2,000 |
| C5 | LS-DYNA软件高级有限元, 无网格和粒子法的工业应用 | 24-25日 | RMB 4,000 |
| C6 | LS-DYNA 中接触分析 | 24-25日 | RMB 4,000 |
| C7 | LS-DYNA 软件 NVH, 疲劳及频域分析 | 24-25日 | RMB 4,000 |
| C8 | 被动安全 | 24-25日 | RMB 4,000 |



上海中星铂尔曼大酒店

上海中星铂尔曼大酒店是一家国际高端商务酒店, 坐落在位于上海徐汇新商业区的中星城内 (ZStar Plaza), 方便前往上海南站和上海国家会展中心。

上海中星铂尔曼大酒店交通便利, 靠近南徐家汇商圈、漕河泾高科技园区和上海火车南站。酒店距虹桥机场仅20分钟路程, 距浦东机场40分钟路。地铁1、3号线至上海南站, 5号出口, 步行12分钟可到达酒店。

上海仿坤软件科技有限公司

上海仿坤软件科技有限公司是美国LSTC公司授权的国内总代理商, 全面负责LS-DYNA软件在国内的销售, 市场, 技术支持及工程咨询服务, 公司依托美国LSTC公司强大的技术支持和产品开发力量, 并汇聚了一批LS-DYNA软件的顶尖应用工程师, 通过整合和管理LS-DYNA国内合作伙伴等各种资源, 为国内的LS-DYNA用户提供强有力的技术支持服务, 帮助客户更高效地使用LS-DYNA软件进行产品设计和开发。



扫码报名

办公地址: 上海市闵行区闵虹路166弄中庚环球创意中心1号楼2219室
电话: 021-61261195 4008533856
技术支持Email: support@lsdyna-china.com
销售Email: sales@lsdyna-china.com
市场Email: marketing@lsdyna-china.com
网址: www.lsdyna-china.com



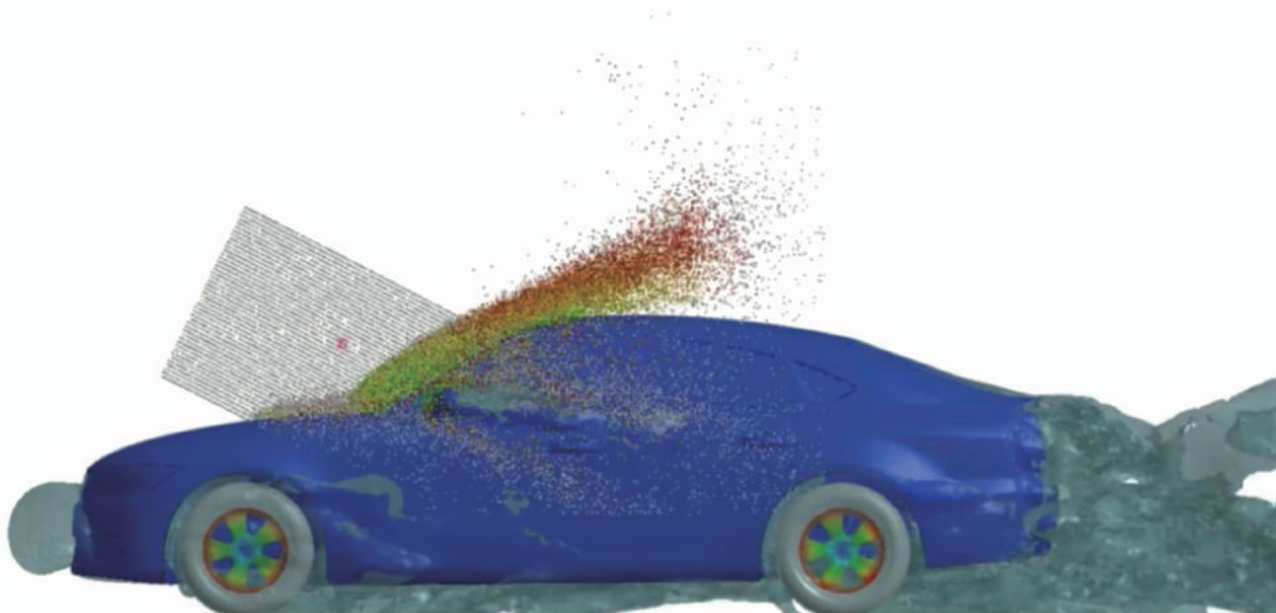
2019.10.21
2019.10.23 Shanghai·China

2019 4th China LS-DYNA® Users' Conference

Conference Announcement & Call for Papers

Hosts

| | |
|-------|---|
| USA | Livermore Software Technology Corp. |
| China | Shanghai Fangkun Software Technology Ltd. |
| China | Dalian Fukun Technology Development Corp. |



2019 4th China LS-DYNA Users' Conference

The 4th China LS-DYNA Users' Conference is scheduled to be held on October 21st -23rd, 2019 in Shanghai by LSTC and Shanghai Fangkun. LSTC will show and share the latest product function and development strategy during the conference. The organizing committee will invite the domestic and foreign experts, developers and engineers from LSTC, and the customers to share their experience and successful cases with LS-DYNA, and to discuss the LS-DYNA latest features and developments, and the industrial development trends.

The conference aims to promote the interaction and communication among the developers and the end users. Hereby we call for papers with topics covered but not limited to the fields of automotive industry, aerospace and aeronautics, electronics industry, daily consumer goods, biomechanics, locomotive, shipbuilding, civil engineering, and general machinery, etc.

The conference organizers wholeheartedly welcome your paper submission and attendance.



Date: October 21st- 23rd, 2019
 Location: Pullman Shanghai South Hotel
 No.1 Pubei Road, Xuhui District, Shanghai
 Participant Fee: CNY 1000 per person for regular participants and CNY 500 for academic.
Early bird registration is open! Register before July 31st, 2019 to benefit for free ticket.(Only free for 200 attendees)
 Website: <http://conference.lsdyna-china.com/>
 Contact us: conf@lsdyna-china.com

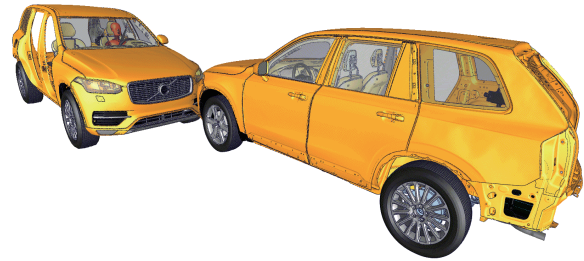
Agenda

| 21 st Oct. | Evening | Registration, Reception party |
|-----------------------|---|---|
| 22 nd Oct. | Morning (Main Session) | Welcome speech <i>-Dr. John O. Hallquist, Ph.D. Member of National Academy of Engineering, founder and president of LSTC</i> LSTC and LSTC products overview <i>-Dilip Bhalsod, LSTC Business manager</i> Data-driven Mechanistic Multiscale Modeling Platform for analysis, design and manufacture of advanced material systems <i>-Wing Kam Liu, PhD-Professor of Northwestern University</i> The Application of LS-Dyna in Aerospace: Beyond Impact Simulation <i>-Dr. Shoufeng Hu-Chief Scientist of Chinese Aeronautical Establishment, Shanghai Branch</i> Design and CAE of Products under Vibration Loads <i>-Dr. Ping XIN-PhD in Metallurgy, Tokyo University, President of Japan Chinese Society of Automotive Engineers</i> More speakers are coming soon. |
| | Afternoon (Technology and Application Session) | LS-DYNA Automotive Crashworthiness 1 LS-DYNA Simulation Technology and MPP 1 LS-DYNA Multiple Solve Method and Application 1 LS-DYNA Sheet Metal Forming and Implicit Analysis LS-DYNA Innovation Simulation Competition Winning Report |
| | Evening | Gala Dinner (LS-DYNA Best Paper Award ceremony LS-DYNA Innovation Simulation Competition Award Ceremony) |
| 23 rd Oct. | Morning (Technology and Application Session) | LS-DYNA Automotive Crashworthiness 2 LS-DYNA Simulation Technology and MPP 2 LS-DYNA Multiple Solve Method and Application 2 LS-DYNA Optimum Design and Pre&Post Processing Technology |
| | Afternoon (Main Session) | LS-DYNA blasting analysis and application <i>-Changping Yi, Ph.D. Blasting analysis expert from Swebrec</i> LS-DYNA New Function and Application, Latest Research and Development Trends <i>-LS-DYNA developers from LSTC: Dr. Isheng Yeh, Dr. Jason Wang, Dr. Yun Huang, Dr. Bo Ren, Dr. Jin Wu ; Senior engineer from DLFK: Wenhui Yu</i> |

Sign up

The conference aims to promote the interaction and communication between developers and end users. The conference organizers wholeheartedly welcome your paper submission and attendance. Agents and partners are welcomed to attend and set up exhibition booths.

If you need the invitation letter or any questions about this conference, please contact us.



Contacts: Elva Yu

Email: conf@lsdyna-china.com

Tel: 18221209107

*You can find latest information on conference website: <http://conference.lsdyna-china.com/>

Call for Paper

The interaction and communication between developers and end users are important during the conference. To promote inter technical communication between users, the conference organizers wholeheartedly welcome your paper submission and attendance. Awarded authors would be invited to present on Technology and Application Session during the conference.

①Fields

②Paper Submission

| Application Areas | Industry Fields |
|--------------------------------------|-------------------------|
| -Automotive crashworthiness | Vehicle Industry |
| -Occupant safety and CPM airbags | Aerospace |
| -Metal forming | Manufacturing Processes |
| -Optimization | Biomechanics |
| -Composites and other materials | Civil Engineering |
| -Robustness | Nuclear Engineering |
| -Spotwelding, bonding | Seismic Engineering |
| -Implicit | Ship Building/Offshore |
| -Pedestrian safety | Transportation |
| -Impact, drop test | Daily consumer goods |
| -Ballistics and penetration | Locomotive |
| -Fluid Structure Interaction and ALE | General machinery |
| -Computational Fluid Dynamics | Electronics |
| -CAE process integration | |
| -Vibration, noise and fatigue | |
| -Heat transfer | |
| -Electro Magnetics | |
| -DEM and SPH | |
| -Cloud computing | |
| -Simulation data management | |

Please send your one to two pages abstract or full paper to <http://conference.lsdyna-china.com/>. Submission can be in Chinese or English. Submission of both Chinese and English versions is greatly appreciated but not mandatory. Please write down your postal address, postcode, email address. Any problems about submission please contact: Elva Yu, Tel: 18221209107, Email: conf@lsdyna-china.com

③Abstract submission deadline

④Notice of acceptance deadline

20th August, 2019

1st September, 2019

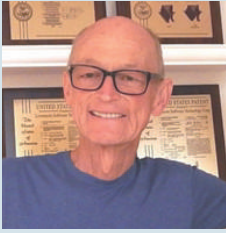
⑤Full paper submission deadline

20th September, 2019

The best Paper in English will be published in "FEA Information Engineering Journal" (ISSN #2167-1273) English edition. The best Paper in Chinese will be published in FEA Information Chinese edition.

⑥The organizing committee set up prizes for best papers. Award winners will be announced at Gala Dinner on 22nd October.

* The First Prize winner would be recommended to attend 2020 International LS-DYNA Users' Conference for free. (Including round-trip ticket and hotel fee)



John O. Hallquist, Ph.D.

Dr. John O. Hallquist is a member of National Academy of Engineering, founder and president of LSTC. In 1974 after his doctorate degree in Michigan Technological University. After his pioneering works in explicit finite element method, especially on the effective contact-impact algorithms, DYNA was soon found in universities and industry and government laboratories throughout the world. Dr. Hallquist founded Livermore Software Technology Corporation on 1987 to give birth to the commercialized DYNA code LS-DYNA. Dr. Hallquist's distinguished contributions to explicit nonlinear finite element method are widely recognized. He was elected a member of National Academy of Engineering in 2007.



Dilip Bhalsod

Dilip Bhalsod is the LSTC Business Manager responsible for America and Europe distributor management, sales, marketing, vendor and alliance partners. From 2004 to 2016, he was Technical Manager at LSTC's office in Michigan where he was responsible for LS-DYNA technical support and customer training. He has worked with all major car manufacturers throughout the world including GM Opel, Ford USA, Chrysler, Toyota, Honda, Jaguar Automotive industry that use LS-DYNA. From 1984 to 2004 Dilip worked at General Motors USA for 20 years on various aspects of automotive crash analysis and provided LS-DYNA technical support. He started his career in the automotive industry at British Leyland, UK in 1978. Dilip holds a Bachelor of Science in Automotive Engineering from Hertfordshire University, UK.



Prof. Wing Kam

Professor Wing Kam Liu is the Walter P. Murphy Professor of Northwestern University, Director of Global Center on Advanced Material Systems and Simulation, Past President (2017-2018) of the International Association for Computational Mechanics (IACM), Past Chair (2015-2016) of the US National Committee on TAM and Member of Board of International Scientific Organizations, both within the US National Academies. His representative research activities include the development of ICME multiscale theories, methods, and software; materials design, advanced and additive manufacturing. Dr. Liu received many distinguished honors in computational mechanics including Japan Society of Computational Engineering Sciences Grand Prize; IACM Gauss-Newton Medal and Computational Mechanics Award, John von Neumann Medal and Computational Structural Mechanics Award from the US Association of Computational Mechanics (USACM). He is the editor of two International Journals and honorary editor of two journals. Dr. Liu has written four books; and he is a Fellow of ASME, ASCE, USACM, AAM, and IACM.



Shoufeng Hu, Ph.D.

Dr. Shoufeng Hu is currently working for Chinese Aeronautical Establishment, Shanghai Branch, as a Chief Scientist, in charge of the research and development of the composite materials for aerospace applications. He has many years of experience in composite research for commercial aircraft engines. His research interests include micro-mechanics, damage accumulation modeling, and multi-scale damage simulations for the woven composites under impact. In the meantime, he is also involved in research activities as well as engineering applications for structural vibration, high cycle and low cycle fatigue, and damage evaluation of the composite structures.



Ping XIN, Ph.D.

Ph.D. in Metallurgy, Tokyo University, Tokyo, Japan; M.A in Metal Forming, Beijing Iron and Steel University, Beijing, China; B.A in Metallurgy, Anshan Iron and Steel University, Anshan, China
Served as a CAE specialist, in Toshiba Group (Toshiba Ceramics Company and Toshiba Medical Systems Corporation) for almost 30 years, and gained his wide experience in the design of products and their manufacturing covering material field such as metal, ceramics and semiconductor silicon, and machinery field such as medical systems (vibration) with CAE technologies. A qualified CAE senior analyst from the Japan Society of Machinery Engineers, and international CAE senior analyst from NAFEMS. Served as guest professor in many universities, such as Liaoning University of Science and Technology, Beijing University of Science and Technology, National Key Lab. of New Ceramics in Tsinghua University, Tokai University and Institute of Technologists, etc. Engaged in social service works such as a judge for Ministry of Education, Ministry of Science and Technology (China), and as a president of Japan Chinese Society of Automotive Engineers.



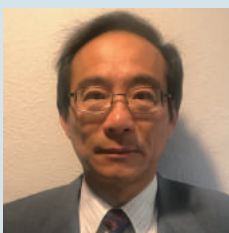
Changping Yi, Ph.D.

Dr. Changping Yi is a senior lecturer in Mining and Rock Engineering, Division of Mining and Geotechnical Engineering & Swedish blasting research center (Swebrec). He earned his Phd degree from Wuhan University in 2005. His research interests are numerical modelling related to blasting, non-ideal detonation of explosives and the interaction between stress waves and underground openings.



Isheng Yeh, Ph.D.

Dr. Isheng Yeh received his Ph.D. on Theoretical and Applied Mechanics from Northwestern University in 1992. Before joining LSTC in 2007 as a developer, he was a project engineer with General Motors, 1994~2000, and a technical specialist with Ford Motors, 2000~2007. In LSTC, Dr. Yeh works on the development of contact algorithm, isogeometric analysis, control volume airbag, seat belt, sensor, piezoelectric material and new element formulation. Besides, he also develops the Abaqus and Radioss translator for ls-prepost. Also, he was involved in axisymmetric SPH development.



Jason Wang, Ph.D.

Dr. Jason Wang, LSTC Senior Software Engineer. Jason received his Ph.D. degree from UC Berkeley in 1988 and has joined LSTC since 1997. He is responsible for enabling LS-DYNA explicit MPP (Massive Parallel Processing) solver. His research and development are focused on developing Contact and FSI (fluid-structure interaction) algorithms, and ALE, SPH, CPM, PBM and DEM solvers. These capabilities are tightly integrated not only to be used in coupled multiphysics analysis but also executed efficiently on distributed computers. In view of the increases in complexity and size of engineering models in recent years, he also devotes his efforts to developing LS-DYNA HYBRID technology to improve scalability for growing demand on computing power. He is a member of SAE international and obtained Vincent Bendix Automotive Electronics Engineering Award in 2012.



Yun Huang, Ph.D.

Dr. Yun Huang graduated from the department of Civil Engineering, University of Minnesota in 2006. He joined LSTC as a senior scientist / software developer in 2006, and has been working on the Research and code development of frequency domain analysis functionalities in LS-DYNA since then. He has developed a series of frequency domain features in LS-DYNA such as FRF, SSD, random vibration, response spectrum analysis, acoustic analysis based on FEM and BEM and fatigue analysis. These features can find important application in many industry fields, including NVH of vehicles; noise simulation of engines; numerical simulation of shaker table testing; durability analysis of metal structures; acoustic property analysis of sports equipment and seismic analysis of civil and hydraulic structures and nuclear powerplants.



Bo Ren, Ph.D.

Dr. Ren joined LSTC in 2014 and is currently a Senior Scientist and Team Leader leading an advanced material research team in Computational and Multiscale Mechanics Group (CMMG). The CMMG focuses on the development of advanced numerical methods including adaptive FEM/EFG, SPG, Peridynamics, RVE, Fluid Particle Method, MEFEM, SPH and XFEM for modeling challenging industrial applications in material, manufacturing and structural simulations across different scales. Dr. Ren received his doctoral degree from Huazhong University of Science and Technology (HUST) in 2003 and was an Associated Professor at the same school from 2005 to 2008. He was a project scientist at UC Berkeley from 2009 to 2013. Dr. Ren has published over thirty peer-reviewed journal articles. He has been the member of U.S. Association for Computational Mechanics (USACM) since 2009. Dr. Ren serves as an editorial board member for one international journal and has been the committee member for several USACM workshops.



Jin Wu, Ph.D.

Dr. Jin Wu received his Ph.D from University of Cincinnati, and has eighteen years of working experience with stamping manufacturing in DaimlerChrysler Corporation and major Chinese Automobile OEMs, specializing in metal forming simulation, stamping die development, lightweight body design and utilization of advanced materials & manufacturing processes. He joined LSTC in 2018 to work on technical innovations and support of LS-DYNA stamping applications.



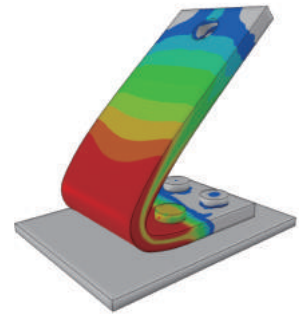
Wenhui Yu

Graduated from Dalian University of Technology with a master degree of engineering mechanics in 2006, major in Finite Element Mesh Generation and Optimization. Being a visiting scholar in Earth Science Computation Center of University of Queensland in Australia from 2006 to 2008, main task is Tetrahedron Mesh Generation for Arbitrary Boundary. Since 2008, he's been working at LSTC office in Dalian as a Technical Manager, his team mainly focus on the development, maintenance and support of LS-PrePost.

Training Course

There will be a post-conference training classes being held on Oct. 21st, 24th and 25th. All training courses will be taught by senior engineers from Livermore Software Technology Corporation US offices. These experts have engaged in LS-DYNA research, development and support for many years. Please see the conference website (<http://conference.lsdyna-china.com/>) for training course title, content and instructor profile.

- (1) Form of Instruction: Most courses include hands-on workshop. Students are requested to bring their own notebook computer that is capable to run LS-DYNA and LS-PrePost.
- (2) Certificate: All participants will receive a course completion certificate issued by Livermore Software Technology Corp, US office and Shanghai Fangkun.
- (3) Registration: Please fill in the LS-DYNA technical training class registration form email to Training@lsdyna-china.com.
- (4) Registration deadline: 10th October, 2019. The number of participants for each class is limited to 30 people maximum but not less than 8 people. Class will not be held if less than 8 people registered.
- (5) Course Fee: CNY 2000 for each day including electronic class material and lunch.



| Course No. | Course Topic | Date | Course Fee |
|------------|---|---|------------|
| C1 | LS-DYNA blasting analysis and application | Oct. 21 st | CNY 2,000 |
| C2 | Theory and Applications of LS-DYNA SPH Method | Oct. 21 st | CNY 2,000 |
| C3 | Introduction to LS-PrePost | Oct. 21 st | CNY 2,000 |
| C4 | LS-DYNA in stamping simulation and application | Oct. 21 st | CNY 2,000 |
| C5 | Industrial Applications of LS-DYNA Advanced FEM/Meshfree/Particle Methods | Oct. 24 th to 25 th | CNY 4,000 |
| C6 | Contact Modeling in LS-DYNA | Oct. 24 th to 25 th | CNY 4,000 |
| C7 | NVH, Fatigue and frequency domain analysis with LS-DYNA | Oct. 24 th to 25 th | CNY 4,000 |
| C8 | Crash and Safety | Oct. 24 th to 25 th | CNY 4,000 |



Pullman Shanghai South Hotel

Pullman Shanghai South is an international upscale business hotel, situated in ZStar Plaza in the new CBD of Shanghai Xuhui District with easy access to Shanghai South Railway Station and Shanghai National Convention & Exhibition Center.

Pullman Shanghai South is the conveniently located near the South Xujiahui Business Circle, Caohejing High Tech Park and Shanghai South Railway Station. It is just 20 minutes by car from Hongqiao Airport and 40 minutes from Pudong Airport.

Shanghai Fangkun Software Technology Ltd.

Shanghai Fangkun Software Technology Ltd. as the domestic master distributor authorized by LSTC, is fully responsible for domestic sales, marketing, technical support and engineering consulting services of LS-DYNA. Relying on strong technical support and product development capability of LSTC, by attracting a group of top LS-DYNA application engineers to join, with integrating and managing a wide range of resources such as LS-DYNA distributors and partners in China, Shanghai Fangkun provides strong technical support services for domestic LS-DYNA users, and facilitates customers to use LS-DYNA software for product design and development more efficiently.



scan QR code to register

Address: Room 2219, Building No.1, Global Creative Center, Lane 166, Minhong Road, Minhang District, Shanghai, China 201102
 Telephone number: 021-61261195 4008533856
 Technical Support Email: support@lsdyna-china.com
 Sales Email: sales@lsdyna-china.com
 Marketing Email: marketing@lsdyna-china.com
 Website: www.lsdyna-china.com

