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Swiss Society for Optics and Microscopy

北方激光研究院（西南技术物理研究所）
Northern Laser Research Institute (Southwest Institute of Technical Physics)

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深圳市激光智能制造行业协会
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* The above rankings are in no particular order
大会概述
OVERVIEW
为期三天的LMN 2021世界激光制造大会于2021年9月29日在深圳国际会展中心（宝安新馆）圆满落幕。以“赋能智造，光耀未来”为主题的本届大会得到了国内外激光行业同仁的广泛关注，在全体大会和三场平行论坛上迎来千名听众，聚焦“千亿”激光市场。

The three-day LMN World Laser Manufacturing Conference 2021 (LMN 2021) was successfully concluded on September 29, 2021 in Shenzhen World Exhibition and Convention Center (Bao’an New Hall). Under the theme of “Intelligent Laser Manufacturing to Light up the Future”, LMN 2021 attracted wide attention from domestic and overseas colleagues in the laser industry. More than 1,000 audiences attended the plenary session and three parallel forums with a focus on the laser market worth of hundreds of billions.

首日的全体大会由北方激光研究院（西南技术物理研究所）研究员、国家特聘专家王亮教授主持。广东省政协委员、副主席、广东省激光与增材制造和精密仪器设备战略新兴产业集群“链长”袁宝成，2018诺贝尔物理学奖得主杰哈·莫罗、中国工程院院士范海元、美国工程院院士Connie Chang-Hasnain、中国科学院院士于军人，俄罗斯科学院院士Yury Kulchin，深圳市政协副主席吴以环、广东省科技厅二级巡视员周木强、广东省政协经济委员会专职副主任曾德明，深圳市科技创新委副主任沙新华、深圳市宝安区政协副主席高盛以及来自海内外各企业代表、科研院所、高校激光精英和媒体等通过线上和线下的方式出席论坛。

On the first day, the plenary session was presided over by Prof. You Wang, Researcher of Northern Laser Research Institute and National Distinguished Expert. Mr. Baosheng Yuan, Vice Chairman of the CPPCC Guangdong Provincial Committee; Prof. Gérard Mourou, Nobel Laureate 2018; Prof. Dianyuan Fan, Academician of Chinese Academy of Sciences; Prof. Connie Chang-Hasnain, Member of US National Academy of Engineering; Prof. Qifeng Yu, Academician of Chinese Academy of Sciences; Prof. Yury Kulchin, Academician of Russian Academy of Sciences; Mrs. Yihuan Wu, Vice Chairman of the CPPCC Shenzhen Municipal Committee; and representatives of domestic and overseas businesses, research institutes and universities, elites in the laser industry as well as media partners attended the event online or offline.
本会大会的海外嘉宾虽然受限只能进行在线演讲，但大会现场的气氛依然十分活跃。在每一场演讲结束后，听众纷纷就报告中的细节与演讲嘉宾展开热烈的“隔空”讨论，并表示受益匪浅。会后，听众们一致赞同报告的内容非常经典且具有前瞻性，并感谢主办方给与了宝贵的机会，让听众能聆听激光界全球大师们的演讲。

Even though foreign guest speakers invited to LMN 2021 had to deliver speeches online, the atmosphere on site was very lively. Every speech was followed by the attendees engaging in virtual and heated discussions with the speaker over details in report hereof and all participants said to have learned a lot. After the event, the attendees unanimously claimed that report contents were very classic and forward-looking. They appreciated organizers for such a valuable opportunity to attend lectures made by laser masters of the world.

相较往年，本次大会的国际性和专业性更为突出。演讲嘉宾包括美国工程院院士Connie Chang-Hasnain教授、俄罗斯科学院院士Yury Kulchin教授、德国汉诺威激光中心执行董事Stefan Kaierle教授、瑞士光电联合会创始人之一Beat Neuenschwander教授、日本光学学会理事石井藤弘教授。浙江工业大学激光先进制造研究院姚建龙教授在内的50余位光电大师，分享了关于垂直腔面发射激光器（VCSEL）、增材制造、复合制造、激光焊接、半导体高效加工、固体超快激光器、光学学未来研究方向等热点议题，为观众带来了一场高水准的激光专业知识盛宴。

LMN 2021 compared with the last session is more international and professional. More than 50 speakers in photoelectricity including Prof. Connie Chang-Hasnain, member of the US National Academy of Engineering; Prof. Yury Kulchin, Academician of Russian Academy of Sciences; Prof. Stefan Kaierle, Executive Director of Laser Zentrum Hannover, Germany; Prof. Beat Neuenschwander, one of the Initiators of SWISSPHOTONICS; Prof. Katsuhiro Ishii, Director of the Optical Society of Japan; and Prof. Jianhua Yao, Institute of Advanced Laser Manufacturing of Zhejiang University of Technology shared opinions on VCSEL, additive manufacturing, composite manufacturing, laser welding, efficient semiconductor processing, super-fast solid laser device, the direction for research on photonics and other hot topics, bringing to the attendees a high-level feast of knowledge with respect to laser.
Representing the Laser Manufacturing Network, LMN is committed to building an interconnected platform for everyone in the laser industry globally on which key figures and resources are connected so that sparks of wisdom could be triggered. LMN 2022 will be held in Shenzhen from June 7-9, 2022.
SPEAKERS
Connie Chang-Hasnain 教授
Prof. Dr. Connie Chang-Hasnain
美国工程院院士
美国光学学会主席（2021）
清华大学深圳国际研究生院共同院长
加州大学伯克利分校 Whinnery 名誉教授
Member of US National Academy of Engineering
2021 President of OSA
Co-Director of Tsinghua Berkeley Shenzhen Institute
Whinnery Chair Emerita Professor at the University of California, Berkeley
演讲主题：超结构光学：研究进展及应用
Topic: Metastructured Optics: Progress and Applications

Yury Kulchin 教授
Prof. Dr. Yury Kulchin
俄罗斯科学院院士
俄罗斯激光协会副会长
Academician of Russian Academy of Sciences
Vice President of CIS-Laser Association
演讲主题：激光增材制造的新型创新技术
Topic: Novel Innovative Technologies for Laser Additive Manufacturing

Stefan Kaiserle 教授
Prof. Dr. Stefan Kaiserle
德国汉诺威激光中心执行董事
Executive Director of Laser Zentrum Hannover e.V.
演讲主题：光学学的未来研究方向
Topic: Future Research Directions in Photonics

Beat Neuenenschwaner 教授
Prof. Dr. Beat Neuenenschwaner
瑞士光电子联合会创办人之一
瑞士光学和显微学学会副会长
One of the Initiators of SWISSPHOTONICS
Vice President of Swiss Society for Optics and Microscopy
演讲主题：半导体高效加工
Topic: Efficient Processing of Semiconductors

石井胜弘 教授
Prof. Dr. Katsuhiko Ishii
日本光学学会理事
光产业创新大学校大学教授
Director of the Optical Society of Japan
Professor at the Graduate School for the Creation of New Photonics Industries
演讲主题：TS-DFT高重复性光学相干断层扫描及其在激光焊接中的应用
Topic: Highly-repetitive Optical Coherence Tomography Using Time-stretch Dispersive Fourier Transformation and its Application to Laser Welding Process

姚建华 教授
Prof. Jianhua Yao
浙江大学激光先进制造研究院
Institute of Laser Advanced Manufacturing, Zhejiang University of Technology
演讲主题：激光复合制造技术研究进展
Topic: Progress of Performance-Regulation Technology in Laser Hybrid Manufacturing

余冠南 博士
Dr. Guannan Yu
深圳市杰普特光电股份有限公司
Shenzhen JPT Opto-electronics Co., Ltd.
演讲主题：固体超快激光器工业应用展望
袁晓东 研究员
Xiaodong Yuan
中国工程物理研究院激光聚变研究中心
Research Fellow at Laser Fusion Research Center, China Academy of Engineering Physics
演讲主题：激光清洗技术在汽车行业中的应用
Topic: Application of laser cleaning technology in the automotive industry

胡超 副总经理/CTO
Chao Hu
中兴新能源科技有限公司
Deputy General Manager/CTO at ZXNE CORPORATION
演讲主题：新能源汽车充电发展趋势及关键技术
Topic: Development Trend and Key Technologies of New Energy Vehicle Charging

罗子艺 高级工程师
Ziyi Luo
广东省科学院中乌焊接研究所
Senior Engineer at China-Ukraine Institute of Welding, Guangdong Academy of Sciences
演讲主题：大功率激光焊接技术研究进展
Topic: Research Progress of High-power Laser Welding Technology

邹贵生 教授
Prof. Guisheng Zou
清华大学
Tsinghua University
演讲主题：微纳器件超快激光纳米连接与封装
Topic: Ultrafast Laser Nano-connection and Packaging of Micro-nano Devices

谭德志 教授
Prof. Dechi Tan
之江实验室 研究专家
Principal Investigator at Zhejiang Lab
演讲主题：激光增材制造和超快激光制造——我们的尝试
Topic: Our Attempt: Laser Additive Manufacturing and Ultrafast Laser Manufacturing

程亚 教授
Prof. Ya Cheng
华东师范大学极端光电实验室
XXL - The Extreme Optoelectromechanics Lab, East China Normal University
演讲主题：飞秒激光加工在生物医疗领域的应用
Topic: Biological and Medical Applications of Femtosecond Laser Micromachining
 DATA ANALYSIS
参会人员数据分析

ATTENDEE ANALYSIS

LMN 2021世界激光制造大会创新采用了线下线上结合的办会模式，获得了与会者的积极响应与反馈。据统计，9月27日全体大会共吸引线下到会听众294人，线上直播访问量达2277人次。9月28-29日平行论坛总计线下听众733人，线上直播访问量达6,593人次。

LMN World Laser Manufacturing Conference 2021 innovatively combined offline and online forms and received positive responses and feedback from the participants. According to statistics, the plenary session on 27 September attracted 294 on-site attendees, while the live broadcast drummed up 2,277 visits. Parallel forums on 28-29 September witnessed a total of 733 on-site attendees and 6,593 online visits.

听众区域分布 Regional distribution of attendees

从专业听众区域分布情况来看，国内专业听众占72%；国际专业听众占28%。

From the aspect of regional distribution, domestic attendees accounted for 72%; international attendees accounted for 28%.

- 华南地区 South China
- 华东地区 East China
- 西北地区 Northwest China
- 华中地区 Central China
- 华北地区 North China
- 大陆其他地区 Other regions in mainland China
- 港澳台区域 Hongkong, Macau and Taiwan regions
- 国际听众 International attendees
### 参会人员数据分析

#### 职业分析

<table>
<thead>
<tr>
<th>职业</th>
<th>比例</th>
</tr>
</thead>
<tbody>
<tr>
<td>管理及首席执行官（Management CEO）</td>
<td>18%</td>
</tr>
<tr>
<td>研发（R&amp;D）</td>
<td>15%</td>
</tr>
<tr>
<td>技术人员（Technicians）</td>
<td>31%</td>
</tr>
<tr>
<td>市场推广及媒体合作（Market promotion and media cooperation）</td>
<td>3%</td>
</tr>
<tr>
<td>采购（Purchasing）</td>
<td>9%</td>
</tr>
<tr>
<td>进出口贸易（Import &amp; export trade）</td>
<td>7%</td>
</tr>
<tr>
<td>生产制造（Production and manufacturing）</td>
<td>11%</td>
</tr>
<tr>
<td>政府官员（Government official）</td>
<td>2%</td>
</tr>
<tr>
<td>其他（Others）</td>
<td>4%</td>
</tr>
</tbody>
</table>

*Occupational analysis of attendees*
### 参会人员数据分析

**ATTENDEE ANALYSIS**

### 听众行业分析

**Audience industry analysis**

<table>
<thead>
<tr>
<th>行业</th>
<th>百分比</th>
</tr>
</thead>
<tbody>
<tr>
<td>激光及相关行业</td>
<td>25%</td>
</tr>
<tr>
<td>Laser and related industries</td>
<td></td>
</tr>
<tr>
<td>3C电子/家电与电子设备制造</td>
<td>18%</td>
</tr>
<tr>
<td>3C electronics/home appliances and electronic equipment manufacturing</td>
<td></td>
</tr>
<tr>
<td>汽车及摩托车零部件制造</td>
<td>10%</td>
</tr>
<tr>
<td>Automobile and motorcycle parts manufacturing</td>
<td></td>
</tr>
<tr>
<td>生物医药/医疗机械</td>
<td>9%</td>
</tr>
<tr>
<td>Biomedicine/medical machinery</td>
<td></td>
</tr>
<tr>
<td>通用机械及机械制造</td>
<td>8%</td>
</tr>
<tr>
<td>General machinery and machinery manufacturing</td>
<td></td>
</tr>
<tr>
<td>计算机软/硬件，IT与电子</td>
<td>6%</td>
</tr>
<tr>
<td>Computer software/hardware, IT and electronics</td>
<td></td>
</tr>
<tr>
<td>轨道交通</td>
<td>5%</td>
</tr>
<tr>
<td>Rail transport</td>
<td></td>
</tr>
<tr>
<td>模具制造</td>
<td>4%</td>
</tr>
<tr>
<td>Mold making</td>
<td></td>
</tr>
<tr>
<td>航空航天</td>
<td>3%</td>
</tr>
<tr>
<td>Aerospace</td>
<td></td>
</tr>
<tr>
<td>通信技术/运营/服务</td>
<td>3%</td>
</tr>
<tr>
<td>Communication technology/operation/service</td>
<td></td>
</tr>
<tr>
<td>家具、厨卫及金属制品</td>
<td>2%</td>
</tr>
<tr>
<td>Furniture, kitchen, bathroom and metal products</td>
<td></td>
</tr>
<tr>
<td>食品、饮料</td>
<td>2%</td>
</tr>
<tr>
<td>Food and beverage</td>
<td></td>
</tr>
<tr>
<td>环保装备</td>
<td>1%</td>
</tr>
<tr>
<td>Green facilities</td>
<td></td>
</tr>
<tr>
<td>纺织、服装及机械</td>
<td>1%</td>
</tr>
<tr>
<td>Textiles, clothing and machinery</td>
<td></td>
</tr>
<tr>
<td>其他</td>
<td>3%</td>
</tr>
<tr>
<td>others</td>
<td></td>
</tr>
</tbody>
</table>
TESTIMONIALS
Yury Kulchin 教授  
俄罗斯科学院院士  
俄罗斯激光协会副会长

Prof. Dr. Yury Kulchin  
Academician of Russian Academy of Sciences  
Vice President of CIS-Laser Association

It is a great pleasure for me to once again take part in work of LMN conference. On my opinion, LMN conference has gained significant international prestige and contributes to building up the strengthening of partnerships and building up cooperation in the field of Laser Technologies.

Stefan Kaierle 教授  
德国汉诺威激光中心执行董事

Prof. Dr. Stefan Kaierle  
Executive Director of Laser Zentrum Hannover e.V.

非常荣幸在2021年LMN世界激光制造大会的全体大会上作报告。这次会议以线上线下相结合的形式举办，作为在线发言嘉宾，能够与现场观众直接交流是很棒的经历。希望大家再接再厉、再创辉煌。非常感谢主办方的邀请，感谢主办方完美地组织了这场大会。

It was a great pleasure to speak during the plenary session of LMN World Laser Manufacturing Conference 2021. Being an online speaker during this hybrid conference and discussing the talk directly with the audience on site was a wonderful experience. I hope the conference will continue to be so successful. Thanks a lot to the organizers for the invitation and for the perfect organization of the conference.
Beat Neuenschwander 教授

瑞士光电联合会创始人之一
瑞士光学和显微学会副会长

Prof. Dr. Beat Neuenschwander
One of the Initiators of SWISSPHOTONICS
Vice President of Swiss Society for Optics and Microscopy

It was a pleasure for me to contribute to the LMN World Laser Manufacturing Conference 2021. The conference was very good organized and planned. I was impressed from the quality of the speakers at the plenary session where I had the honor to give my presentation too. It’s fascinating to see which progresses the Chinese laser industry and photonic research made during the last decades. It is important to be able to share knowledge and results and to collaborate among the whole laser community. The LMN is an ideal place for doing this and I hope that in the future I will have the opportunity to participate in person again.

石井勝弘 教授

日本光学学会理事
光产业创成大学大学教授

Prof. Dr. Katsuhiro Ishii
Director of the Optical Society of Japan
Professor at the Graduate School for the Creation of New Photonics Industries

尽管疫情带来种种困难，LMN 2021世界激光制造大会仍取得了圆满成功，我对此表示祝贺。我很荣幸能够在全体会议上作报告，虽然线上参与，但我收到了很多提问，很高兴能够讨论这些问题。

Congratulations on a successful LMN 2021, despite the difficult circumstances in Covid-19. It is a great honor to be able to speak at the plenary session. Although I participated online, I received many questions and was glad to be able to discuss them.
The LMN 2021 World Laser Manufacturing Conference has become a world-renowned brand conference at home and abroad in the laser sector after 3 years of development. The Conference has become a frontier platform by inviting internationally renowned experts such as Nobel laureate. It gathers industrial elites and scholars through academic forums and symposiums. It provides an interaction platform for enterprises and consumers with the help of international exhibition services and promotion for segments of various applications. LMN has made a great contribution to the promotion of technological applications and also offers effective assistance for Zhejiang Delta’s laser industry in gaining advantages, for enterprises in going public and for the industry chain in innovation.

It is a great honour to attend the LMN 2021 World Laser Manufacturing Conference. It has provided an outstanding platform for experts and scholars in the science community as well as the industrial technical elites to present latest research findings and cutting-edge product designs. Its significance to the promotion of laser devices and laser processing applications is more than evident. The experts at this Conference shared their insights into the industrial trends and their imaginations of the future of laser. The fruitful experiences gained during adequate exchanges was inspiring and will play a guiding role in our future efforts. Appreciation to the organizer for the efforts in this conference. I am looking forward to an even more wonderful conference next time.
听众评语
FROM ATTENDEES

东莞华贝电子有限公司：很荣幸参与了大会的报告聆听学习，专家结合激光赋能的时代前沿，分析激光应用于工艺上，加快了激光应用的效率和决策效率。
I am honored to participate in the listening and learning of the report. The experts combined with the cutting edge of laser empowerment, analyzed the laser application process, and accelerated the efficiency of laser application and decision-making efficiency.

东莞新科技术实业有限公司：激光会议、讲座很精彩，了解到很多激光应用的前沿科技；现场也跟多家激光厂家交流，能够找到相关设备资讯。
The laser conferences were very impressive. I learned about the cutting-edge technology of laser applications and also communicated with many laser manufacturers on the spot, which made me find relevant equipment information.

深圳宝龙达信息技术有限公司：经过这次大会，让我们开拓了更多激光前瞻技术的眼界和认知积累了宝贵的经验，希望大会今后越办越好！
The conference let us widen the horizon in the field of cutting-edge laser technology and accumulate valuable experience. I hope that the conference will be better and better in the future.
MEDIA VOICES
媒体反馈 MEDIA VOICES

・大众媒体 Mass Media
新华网、中新社、光明日报、中国工业报、南方日报、广州日报、深圳特区报、南方都市报、深圳商报、深圳晶报、深圳晚报、宝安日报、深圳新闻网、金羊网、界面新闻、腾讯、新浪、搜狐等多家大众媒体进行报道。

・线上推广 Online Media
线上通过邮件推送、微信公众号、视频号、领英、Youtube、行业协会官网等多渠道推广。
LMN 2021 was promoted online through multiple channels such as EDM, WeChat official account, video account, LinkedIn, Youtube, and official websites of industry associations.

・户外推广 Outdoor Ads
户外广告覆盖区域：广深高速、深圳地铁、上海地铁、深圳东莞惠州楼宇电梯、激光谷产业园等。
Outdoor advertising coverage areas: Guangzhou-Shenzhen Expressway, Shenzhen Metro, Shanghai Metro, Shenzhen Dongguan Huizhou building elevator, Laser Valley, etc.
特别活动—2021“红光奖”
获奖企业名单

LASER INDUSTRY INNOVATION AWARDS 2021

“红光奖”是由中国激光行业协会、激光学会、激光产业联盟、行业媒体主办的中国激光行业创新贡献奖评选活动。自2008年启动以来，累计发现和评选相关创新性、引领性激光产品、技术和成果150余项，现已成为展示中国激光行业最新技术比拼和引领行业发展方向的一项标志性赛事。

Laser Industry Innovation Awards is organized by the Organizing Committee of China Laser Industry Innovation Contribution Award and co-organized by several associations, societies, alliances, and media in China's laser industry. Since its launch in 2008, more than 150 related innovative and leading laser products, technologies and achievements have been discovered and selected. It has become an outstanding event that showcases the latest technology and leads the development of the industry.
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<td>激光应用方案技术创新奖</td>
<td>创新奖</td>
<td>济南邦德激光股份有限公司</td>
<td>M500 四卡盘超重型激光切割机</td>
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<td>Laser Application Solution Technology Innovation Award</td>
<td>创新奖</td>
<td>Jinan Bodor CNC Machine Co., Ltd.</td>
<td>M500 four-chuck ultra-heavy laser cutting machine</td>
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<td>上海致凯捷激光科技有限公司</td>
<td>纳秒激光钻孔设备</td>
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<td>创新奖</td>
<td>Shanghai Zhikaijie Laser Technology Co., Ltd.</td>
<td>Nanosecond laser drilling equipment</td>
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<td>大族激光科技产业集团股份有限公司</td>
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<td>创新奖</td>
<td>Han's Laser Technology Industry Group Co., Ltd</td>
<td>Ultra-high-precision solder ball jet welding system</td>
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<td>激光行业“黑科技”技术创新奖</td>
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<td>深圳市微航磁电技术有限公司</td>
<td>基于3D激光的立体电路技术</td>
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<td>Futuristic Tech Innovation Award</td>
<td>创新奖</td>
<td>Shenzhen micro navigation magnetoelectricity technology co., LTD</td>
<td>Stereo circuit technology based on 3D laser</td>
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<td>创新奖</td>
<td>广东粤港澳大湾区硬科技研究院</td>
<td>便携式道路病害智能检测系统</td>
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<td>创新奖</td>
<td>Key &amp; Core Technology Innovation Institute of The Greater Bay Area</td>
<td>Portable intelligent detection system for road pavement diseases</td>
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<td>创新奖</td>
<td>宁波大艾激光科技有限公司</td>
<td>金刚石等脆性材料激光精密切割机</td>
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<td>创新奖</td>
<td>Ningbo iii Lasers Technology Co., Ltd.</td>
<td>High-precision laser cutting machine for brittle materials such as diamond</td>
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<td>工业激光器创新贡献奖</td>
<td>创新奖</td>
<td>通快（中国）有限公司</td>
<td>超高功率纳秒紫外碟片激光器 TruMicro 8340</td>
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<tr>
<td>Industrial Laser Innovation Contribution Award</td>
<td>创新奖</td>
<td>TRUMPF China Co., Ltd.</td>
<td>Ultra-high-power nanosecond UV disc laser TruMicro 8340</td>
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<td>创新奖</td>
<td>Spectra-Physics 光谱物理——MKS 万机仪器集团</td>
<td>Explorer One™ HP HE 355-200高能紫外（UV）激光器</td>
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<td>Spectra-Physics -- MKS Instruments</td>
<td>Explorer One™ HP HE 355-200 High Energy UV Laser</td>
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<td>创新奖</td>
<td>深圳市杰普光电股份有限公司</td>
<td>Sparrow-355-800 Mini 紫外固体激光器</td>
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<td>Sparrow-355-800 Mini UV solid-state laser</td>
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<td>创新奖</td>
<td>北京凯普林光电科技股份有限公司</td>
<td>1000W-330μm芯径高亮度蓝光激光器</td>
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<td>创新奖</td>
<td>BWT Beijing Ltd.</td>
<td>1000W-330μm core diameter high-brightness blue laser</td>
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| 超快激光器创新贡献奖  
Ultrafast Laser Innovation Contribution Award | 激光器类  
Laser devices | 奥健（上海）激光技术有限公司  
Amplitude Shanghai Laser Technology Company Ltd.  
英诺激光科技股份有限公司  
INNO LASER TECHNOLOGY CORPORATION LIMITED.  
河南省启封新源光电技术有限公司  
Newlight Source QiFeng Technology Co. Ltd. | Tangor 300飞秒激光器  
Tangor 300 femtosecond laser  
AWAVE-266激光器  
AWAVE-266 laser  
Iteration系列钛宝石太瓦超快激光系统  
Terawatt level Ti: Sapphire laser system of Iteration Series |
| 光纤激光器创新贡献奖  
Fiber Laser Innovation Contribution Award | 激光器类  
Laser devices | 四川中久大光科技有限公司  
Sichuan ZHONGJIU Daguang Technology Co., Ltd.  
四川思创激光科技有限公司  
Sichuan Strongest Laser Technology Co., Ltd.  
深圳市创鑫激光股份有限公司  
Maxphotonics Co.,Ltd.  
光惠（上海）激光科技有限公司  
GW (Shanghai) Laser Technology Co. Ltd. | 高功率多模15kW光纤激光器  
High power multimode 15kW fiber laser  
2000W单模连续光纤激光器  
2000W single-module continuous fiber laser  
12000W单模连续光纤激光器  
12000W single-module continuous fiber laser  
SMATLas 5M-50000W光纤激光器  
SMATLas 5M-50000W fiber laser |
| 激光加工装备创新贡献奖  
Laser Processing Equipment Innovation Contribution Award | 加工系统类  
Processing system | 深圳水滴激光科技有限公司  
Shenzhen HydroLaser Technology Co., Ltd.  
杭州银湖激光科技有限公司  
Hangzhou SilverLake Laser Technology Co.,Ltd.  
南京铖联激光科技有限公司  
Nanjing Chamlion Laser Technology Co., Ltd.  
武汉华工激光工程有限责任公司  
Wuhan Huagong Laser Engineering Co.,Ltd | 6000W激光清洗设备  
6000W laser cleaning equipment  
绿光光纤激光玻璃钻孔机  
Green light fiber laser glass drilling machine  
金属3D打印机NCL-M2150  
Metal 3D Printer NCL-M2150  
LWF150QC氢气金属双极板焊接机  
LWF150QC hydrogen energy metal bipolar plate welding machine |
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<td>加工系统类 Processing system</td>
<td>大族激光显视与半导体装备事业部 Han’s Semiconductor and Display Business Division</td>
<td>全自动晶圆激光开槽设备 Automatic wafer laser sloting equipment</td>
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<tr>
<td>激光微加工系统创新贡献奖</td>
<td>加工系统类 Processing system</td>
<td>深圳光韵达光电科技股份有限公司 SHENZHEN SUNSHINE LASER&amp;ELECTRONICS TECHNOLOGY CO.,LTD</td>
<td>高分辨率紫外光机 High-resolution UV light machine</td>
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<tr>
<td>激光微加工系统创新贡献奖</td>
<td>加工系统类 Processing system</td>
<td>苏州天弘激光股份有限公司 SUZHOU TIANHONG LASER CO.,LTD</td>
<td>镀膜纳米激光刻蚀系统 Laser etching system for indium tile ruler stripes</td>
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<td>激光配套系统创新贡献奖</td>
<td>器件与配套产品类 Devices and supporting products</td>
<td>上海维宏电子科技股份有限公司 Shanghai Weihong Electronic Technology Co., Ltd.</td>
<td>LS6000激光平面切割高功率总线控制系统 LS6000 laser plane cutting high-power bus control system</td>
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<td>激光配套系统创新贡献奖</td>
<td>器件与配套产品类 Devices and supporting products</td>
<td>清能德创电气技术（北京）有限公司 Tsino-Dynamon Electrical Technology (Beijing) Co., Ltd.</td>
<td>CoolDrive S7高性能伺服驱动器 CoolDrive S7 high-performance servo drive</td>
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<td>激光配套系统创新贡献奖</td>
<td>器件与配套产品类 Devices and supporting products</td>
<td>深圳市酷凌时代科技有限公司 Shenzhen cooling times Technology Co., Ltd.</td>
<td>高精度微型激光冷水机 High-precision miniature laser chiller</td>
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<td>激光配套系统创新贡献奖</td>
<td>器件与配套产品类 Devices and supporting products</td>
<td>深圳市彩煌热电科技有限公司 Shenzhen Caihuang thermoelectric Technology Co., Ltd</td>
<td>W5000-CB-55型激光功率计 W5000-CB-55 laser power meter</td>
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<td>激光加工头创新贡献奖</td>
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<td>上海嘉强自动化技术有限公司 Shanghai Empower Technologies Co., Ltd.</td>
<td>BW290-ZOOM自动变焦智能焊接/熔覆/淬火头 BW290-ZOOM automatic zoom smart welding/cladding/quenching head</td>
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<td>器件与配套产品类 Devices and supporting products</td>
<td>普雷茨特精密技术（上海）有限公司 Precitec Precise Technologies (Shanghai) Co., Ltd.</td>
<td>ProCutter2.0 30kW智能切割头 ProCutter2.0 30kW smart cutting head</td>
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<td>激光加工头创新贡献奖</td>
<td>器件与配套产品类 Devices and supporting products</td>
<td>南京辉锐光电科技有限公司 NANJING HUIRUI PHOTOLELECTRIC TECHNOLOGY CO., LTD</td>
<td>第二代激光熔覆头 The second generation laser cladding head</td>
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<td>激光行业影响力企业奖</td>
<td>器件与配套产品类</td>
<td>北京首量科技股份有限公司北京首量科技股份有限公司</td>
<td>方形匀化光纤 Square homogenized fiber</td>
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<td>Devices and supporting products</td>
<td>Beijing ScitIon Technology Corp., Ltd.</td>
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<td>激光行业杰出进步企业奖</td>
<td>企业类</td>
<td>光越科技（深圳）有限公司</td>
<td>高稳定多点复用光纤皮秒种子源 Highly stable multi-point multiplexing fiber picosecond seed source</td>
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<td>Enterprise</td>
<td>Guangyue Technology (Shenzhen) Co., Ltd.</td>
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<td>激光行业影响力企业奖</td>
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<td>珠海光库科技股份有限公司</td>
<td>ClearCut™ 色散可调谐光纤光栅脉冲展宽器 ClearCut™ Dispersion Tunable Fiber Bragg Grating Pulse Stretcher</td>
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<tr>
<td>(Influential Laser Enterprise Award)</td>
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<td>吉林省永利激光科技有限公司</td>
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大会报名

CONFERENCE REGISTRATION
### Speaker Information Form

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<td>单位名称 Company Name</td>
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<td>演讲题目 Topic</td>
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<tr>
<td>演讲摘要 Abstract (300字以内 less than 300 words)</td>
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<td>个人简介 Personal profile</td>
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<td>公司/单位简介 Company Profile</td>
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**照片要求 Photo requirement:**

1. 请单独提供您的个人照片 Please send one of your personal pictures
2. 正装穿着 Formal suits
3. 300DPI以上分辨率 Resolution 300dpi above

**步骤:**

1. 在确认演讲之前，尽快提交。
2. 演讲PPT请务必于2022年5月1日前提交给大会审核。

**Thank you for your attention and support to LMN World Laser Manufacturing Conference!**

If you need to apply for a lecture seat, please submit the documents in time according to the following steps. After review and evaluation by the organizing committee of the conference, we will contact you as soon as possible.
赞助申请

APPLY FOR A SPONSOR

在会前、会中及会后，我们将为赞助商提供众多广告赞助机会，宣传企业形象，深入参与本届大会，广告赞助机会先到先得，如有兴趣请填写如下相关信息报名赞助。
We offer numerous sponsorship programs before, during and after the conference to promote sponsors’ image and let them fully participate in the conference. The sponsorship opportunities are on a “first come first served” basis. Please fill in the following form if you are interested.

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<tr>
<td>备注 1.您想赞助的项目 The project you want to sponsor</td>
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</tr>
<tr>
<td>2.您想分享的题目及摘要内容（如有）The topic and abstract of your speech (if any)</td>
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听众报名表
Registration Form

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<td>Fax</td>
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1. 您想听的报告内容：
   1. The speech topic you are interested in
2. 您希望哪位专家/企业做报告：
   2. Whose speech are you interested in
3. 您在生产中遇到的痛点难点：
   3. Difficulties you have encountered in the process of production
赋 能 智 造 · 光 耀 未 来
Intelligent Laser Manufacturing to Light Up the Future

LMN 2022
世界激光制造大会
LMN World Laser Manufacturing Conference 2022

2022年6月7-9日 中国·深圳
7-9 June, 2022 Shenzhen, China
2022年再见！

2022年6月7~9日  深圳国际会展中心（宝安）
June 7 to June 9, 2022  Shenzhen World Exhibition & Convention Center

与国际大咖共话世界前沿激光技术

光联万物 激荡未来

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