

# LMN

LMN 世界激光制造大会  
LMN WORLD LASER MANUFACTURING CONFERENCE

## 赋能智造 · 光耀未来

Intelligent Laser Manufacturing  
to Light Up the Future

# LMN 2021

# 世界激光制造大会

## LMN World Laser Manufacturing Conference 2021

2021年9月27-29日  
27-29 September, 2021

中国·深圳  
Shenzhen, China

总结报告  
SUMMARY REPORT



# 组织架构 ORGANIZATIONS

## 指导单位 Sponsors

德国汉诺威展览公司 Deutsche Messe AG

中国激光产业社团联盟 Chinese Laser Industry Community Alliance

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广东省激光行业协会 Guangdong Laser Industry Association

深圳市科学技术协会 Shenzhen Association for Science and Technology

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《激光制造商情》 Laser Manufacture News

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## 鸣谢以下协办单位

### THANKS TO SUPPORTING ORGANIZATIONS

-  **OPTICA** | Formerly OSA  
美国光学学会  
The Optical Society
-  **VDMA** Lasers and Laser Systems for Material Processing  
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Working Committee Laser and Laser Systems for Material Processing within VDMA
-  **LZH**  
LASER ZENTRUM HANNOVER e.V.  
德国汉诺威激光中心  
Laser Zentrum Hannover e.V.
-  **CIS-Laser Association**  
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-  **OSJ**  
日本光学学会  
Optical Society of Japan
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瑞士光学和显微学会  
Swiss Society for Optics and Microscopy
-  **Northern Laser Research Institute (Southwest Institute of Technical Physics)**  
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)
-  **台湾雷射科技应用协会**  
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-  **广东省光学学会**  
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广东省光学学会  
Guangdong Optical Society
-  **广东省激光产业技术创新联盟**  
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-  **武汉·中国光谷激光行业协会**  
Wuhan Laser Association of Optics Valley of China
-  **深圳市激光智能制造行业协会**  
Shenzhen Laser Intelligent Manufacturing Industry Association

## 鸣谢以下赞助商

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超越激光  
Beyond Laser

**KIBIF**

  
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YUNCO PRECISION

# 鸣谢以下媒体

## THANKS TO MEDIA PARTNERS



\* 以上排名不分先后  
\* The above rankings are in no particular order

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大会概述  
OVERVIEW

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# 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.

27↑

报告数 / Reports



8,870人次

线上观看 / Online visits



近50人

嘉宾数 / Speakers



1,027人

线下观众 / Offline attendees



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、国家特聘专家王激教授主持。广东省政协党组成员、副主席、广东省激光与增材制造和精密仪器设备战略性新兴产业集群“链长”袁宝成、2018诺贝尔物理学奖得主杰哈·莫罗、中国科学院院士范滇元、美国工程院院士Connie Chang-Hasnain、中国科学院院士于起峰、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堂、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瞻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. Baocheng 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.



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胜弘教授、浙江工业大学激光先进制造研究院姚建华教授在内的50余位光电大咖，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、光子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. Katsuhiko 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.

本次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，听众们一致赞许报告的内容非常经典且具有前瞻性，并感谢主办方给予了宝贵的机会，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.





代表着“Laser Manufacturing Network”的LMN世界激光制造大会，致力于搭建属于全球激光人的互联平台，连接业内关键人物和重要资源，连接富有创造力的思维火花。LMN 2022世界激光制造大会将于2022年6月7-9日在深圳召开。

Representing the Laser Manufacturing Network, LMN is committed to building an interconnected platform for everyone in 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.



扫描二维码或登陆官网: [www.world-laserconference.com](http://www.world-laserconference.com)  
即可观看LMN 2021 世界激光制造大会直播回放  
Scan the QR code or login to [www.world-laserconference.com](http://www.world-laserconference.com)  
to watch LMN 2021 replay



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演讲嘉宾

SPEAKERS

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# 演讲嘉宾(部分) SPEAKERS (PARTIAL)



**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)

清华伯克利深圳学院共同院长

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 Kaierle 教授**

Prof. Dr. Stefan Kaierle

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: 光子学的未来研究方向**

Topic: Future Research Directions in Photonics



**Beat Neuenschwander 教授**

Prof. Dr. Beat Neuenschwander

瑞士光电联合会创始人之一

瑞士光学和显微学会副会长

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



**石井勝弘 教授**

Prof. Dr. Katsuhiro Ishii

日本光学学会理事

光产业创成大学院大学教授

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

浙江工业大学激光先进制造研究院

Institute of Laser Advanced Manufacturing, Zhejiang University of Technology

**演讲主题: 激光复合制造控性技术研究进展**

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**

Topic: Ultrafast Solid-state Laser Applications in Industrial Manufacturing: A State-of-the-Art Review

# 演讲嘉宾(部分) SPEAKERS (PARTIAL)



**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. Dezhi 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机电实验室  
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

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听众数据  
DATA ANALYSIS

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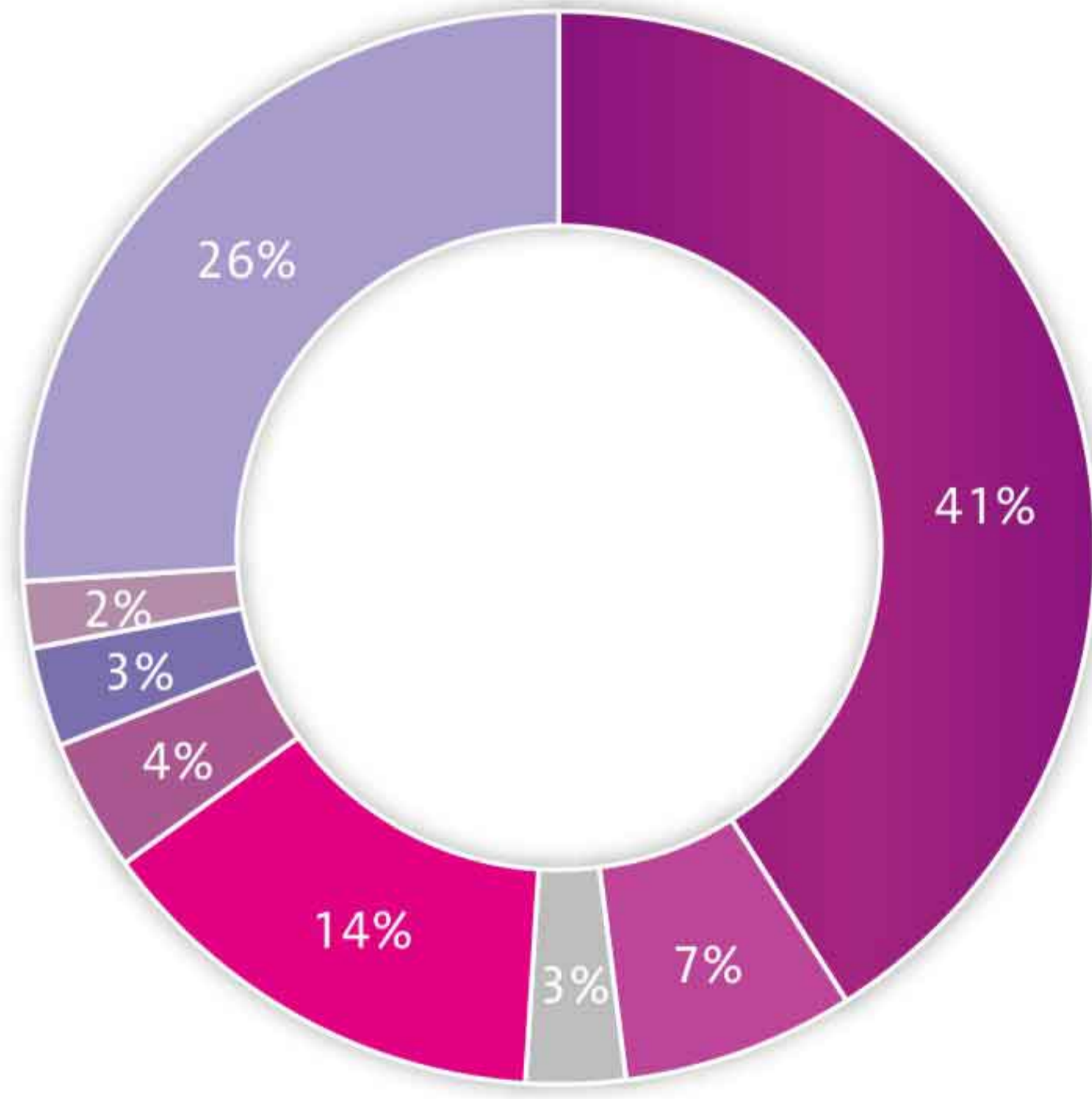
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# 参会人员数据分析

## 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 22,77 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%.

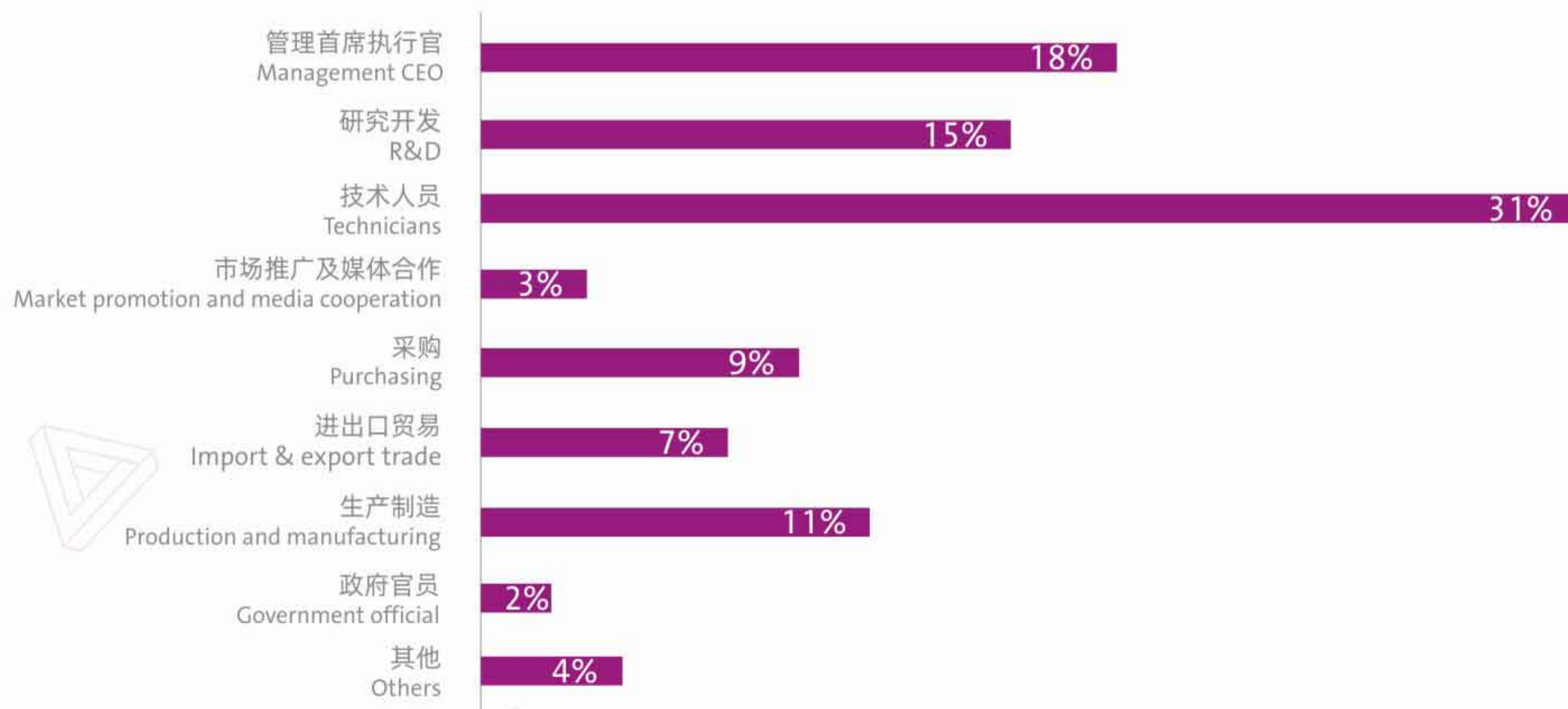
- |                        |  |
|------------------------|--|
| ■ 华南地区 South China     | ■ 华北地区 North China                         |
| ■ 华东地区 East China      | ■ 大陆其他地区 Other regions in mainland China   |
| ■ 西北地区 Northwest China | ■ 港澳台区域 Hongkong, Macau and Taiwan regions |
| ■ 华中地区 Central China   | ■ 国际听众 International attendees             |

# 参会人员数据分析

## ATTENDEE ANALYSIS

听众职业分析

Occupational analysis of attendees

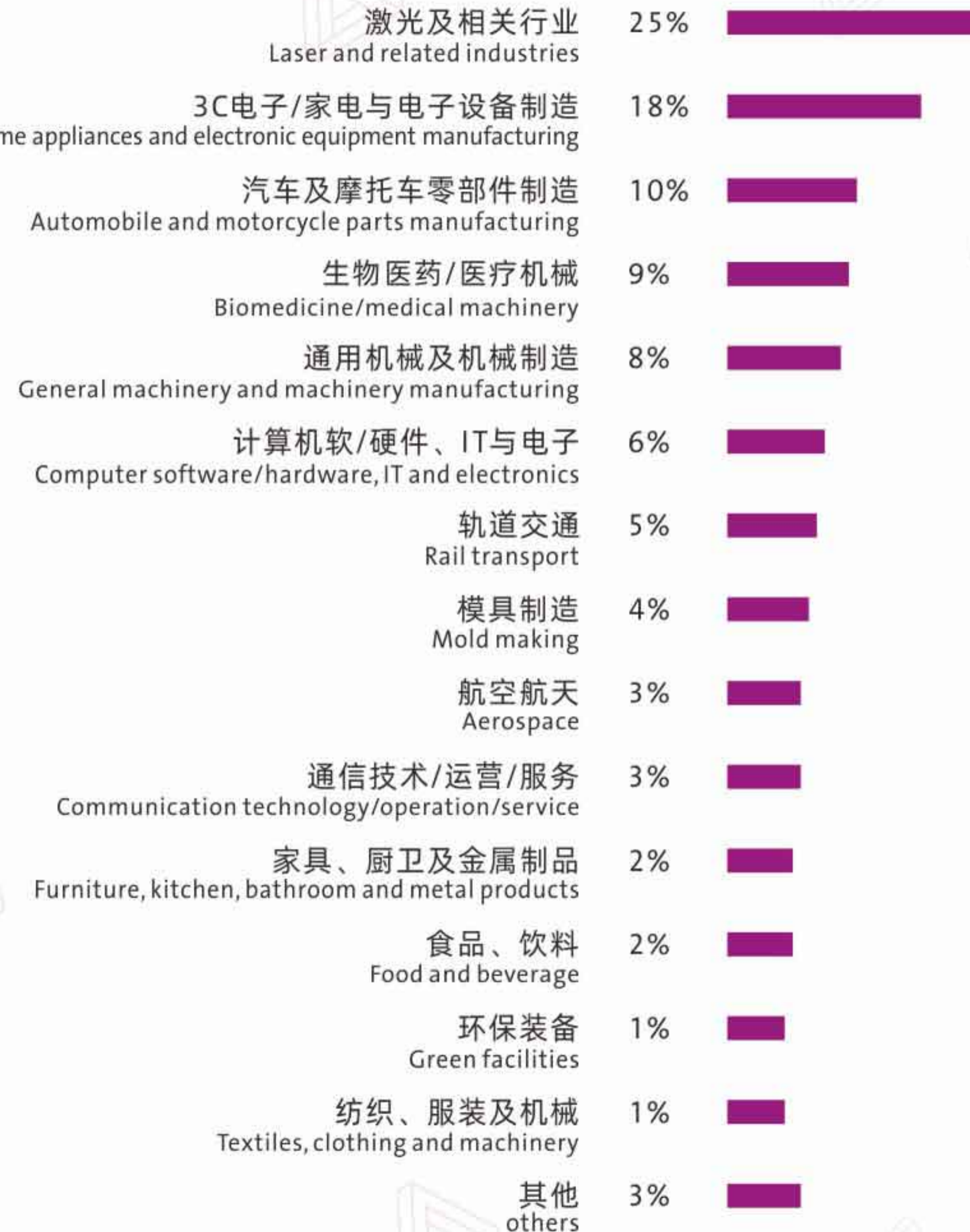


# 参会人员数据分析

## ATTENDEE ANALYSIS

听众行业分析

Audience industry analysis



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# 嘉宾评语

## FROM SPEAKERS



**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

很荣幸再次参加LMN世界激光制造大会。在我看来，LMN已经在国际上获得了极大的声誉，助力加强激光技术领域的伙伴关系并深化了合作。

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** Prof. Dr. Stefan Kaierle

德国汉诺威激光中心执行董事

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。希望大会再接再厉、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.

# 嘉宾评语

## FROM SPEAKERS



### Beat Neuenschwander 教授 Prof. Dr. Beat Neuenschwander

瑞士光电联合会创始人之一  
瑞士光学和显微学会副会长

One of the Initiators of SWISSPHOTONICS  
Vice President of Swiss Society for Optics  
and Microscopy

我非常高兴能为2021年LMN世界激光制造大会做出贡献。会议组织和筹划非常好。全体大会邀请到的演讲嘉宾质量很高，给我留下了深刻印象，我也有幸发表了演讲。回顾过去几十年间，中国激光产业和光子研究取得的进展令人欣喜，分享知识和成果并推动激光行业协作十分重要。LMN是实现这一目标的理想平台，希望将来有机会再次在线下参加大会。

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 Prof. Dr. Katsuhiro Ishii

日本光学学会理事  
光产业创成大学院大学教授

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，虽然是线上参与，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.

# 嘉宾评语

## FROM SPEAKERS



姚建华 教授

Prof. Jianhua Yao

浙江工业大学激光先进制造研究院

Institute of Laser Advanced Manufacturing, Zhejiang University of Technology

LMN 2021 世界激光制造大会经过三年的持续发展，已成为我国乃至世界激光领域的一个品牌会议。通过邀请诺贝尔奖得主等一系列国际知名专家到会，成为前沿科学讲坛；通过学术论坛和专题讲座，成为了国内业内精英学者的聚集地；通过国际展会服务及细分应用领域推广，为企业家及用户提供了一个互动平台。世界激光制造大会为技术应用推广做出了重要贡献，有效地助力珠三角打造激光技术创新高地，助力企业上市，助力产业链创新。

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 Zhujiang Delta's laser industry in gaining advantages, for enterprises in going public and for the industry chain in innovation.



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.

非常荣幸可以参加LMN 2021 世界激光制造大会，本次大会提供了优秀的交流平台供科研领域专家学者、产业界技术精英展示最前沿的研究成果和最先进的产品设计，对促进激光器以及激光加工应用领域发展具有重要的意义。与会专家把握行业脉搏，展望激光未来，充分交流意见，对我们今后工作起到了非常有益的启迪与指导作用。感谢主办方在本次会议中所做的各项努力，期待下一届世界激光制造大会更加精彩！

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.

LMN

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LMN WORLD LASER MANUFACTURING CONFERENCE

Deutsche Messe

Messe

Trade Fair

媒体反馈  
MEDIA VOICES

LMV

2021 世界激光制造大会  
WORLD LASER MANUFACTURING CONFERENCE 2021

# 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。

Xinhuanet, China News Service, Guangming Daily, China Industry News, Nanfang Daily, Guangzhou Daily, Shenzhen Special Zone News, Southern Metropolis Daily, Shenzhen Commercial Daily, Shenzhen Jingbao, Shenzhen Evening News, Baoan Daily, Shenzhen News, Jinyang.com, Jiemian News, Tencent, Sina, Sohu and many other mass media reported LMN 2021.



## · 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”是由中国激光行业创新贡献奖组委会、激光制造网主办，联合国内多家激光行业协会、激光学会、激光产业联盟、行业媒体协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方向发展的一项标志性赛事。

Laser Industry Innovation Contribution Award 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 elected. It has become outstanding event that showcases the latest technology and leads the development of the industry.

Laser Industry Innovation  
2021年度中国激光

中国红光奖  
2021

# 2021年度中国激光行业创新贡献奖

LASER INDUSTRY INNOVATION AWARDS 2021



奖项 / Award	类别 / Category	获奖企业 / Winner	获奖项目 / Award-winning projects
<b>激光应用方案技术创新奖</b> Laser Application Solution Technology Innovation Award	尖端科技类 Cutting-edge technology	济南邦德激光股份有限公司 Jinan Bodor CNC Machine Co., Ltd.	M500 四卡盘超重型激光切割机 M500 four-chuck ultra-heavy laser cutting machine
		上海致凯捷激光科技有限公司 Shanghai zhikaijie Laser Technology Co., Ltd.	纳秒激光钻孔设备 Nanosecond laser drilling equipment
		大族激光科技产业集团股份有限公司 Han's Laser Technology Industry Group Co., Ltd	超高精密锡球喷射焊接系统 Ultra-high-precision solder ball jet welding system
<b>激光行业“黑科技”技术创新奖</b> Futuristic Tech Innovation Award	尖端科技类 Cutting-edge technology	深圳市微航磁电技术有限公司 Shenzhen micro navigation magnetoelectricity technology co., LTD	基于3D激光的立体电路技术 Stereo circuit technology based on 3D laser
		广东粤港澳大湾区硬科技研究院 Key & Core Technology Innovation Institute of The Greater Bay Area	便携式公路路面病害智能检测系统 Portable intelligent detection system for road pavement diseases
		宁波大艾激光科技有限公司 Ningbo iii Lasers Technology Co., Ltd.	金刚石等脆性材料激光精密切割机 High-precision laser cutting machine for brittle materials such as diamond
<b>工业激光器创新贡献奖</b> Industrial Laser Innovation Contribution Award	激光器类 Laser devices	通快（中国）有限公司 TRUMPF China Co., Ltd.	超高功率纳秒紫外碟片激光器 TruMicro 8340 Ultra-high power nanosecond UV disc laser TruMicro 8340
		Spectra-Physics 光谱物理——MKS 万机仪器集团 Spectra-Physics -- MKS Instruments	Explorer One™ HP HE 355-200高能紫外（UV）激光器 Explorer One™ HP HE 355-200 High Energy UV Laser
		深圳市杰普特光电股份有限公司 SHENZHEN JPT OPTO-ELECTRONICS CO., LTD.	Sparrow-355-800 Mini 紫外固体激光器 Sparrow-355-800 Mini UV solid-state laser
		北京凯普林光电科技股份有限公司 BWT Beijing Ltd.	1000W-330μm芯径高亮度蓝光激光器 1000W-330μm core diameter high-brightness blue laser



# 2021年度中国激光行业创新贡献奖

LASER INDUSTRY INNOVATION AWARDS 2021



奖项 / Award	类别 / Category	获奖企业 / Winner	获奖项目 / Award-winning projects
<b>超快激光器创新贡献奖</b> Ultrafast Laser Innovation Contribution Award	激光器类 Laser devices	奥徒（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. 河南省启封光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
<b>光纤激光器创新贡献奖</b> 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单模块连续光纤激光器 12000W single-module continuous fiber laser SMATLas 5M-50000W光纤激光器 SMATLas 5M-50000W fiber laser
<b>激光加工装备创新贡献奖</b> 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氢能金属双极板焊接机 LWF150QC hydrogen energy metal bipolar plate welding machine

# 2021年度中国激光行业创新贡献奖

LASER INDUSTRY INNOVATION AWARDS 2021



奖项 / Award	类别 / Category	获奖企业 / Winner	获奖项目 / Award-winning projects
<b>激光微加工系统创新贡献奖</b> Laser Micromachining System Innovation Contribution Award	加工系统类 Processing system	大族激光显视与半导体装备事业部 Han's Semiconductor and Display Business Division	全自动晶圆激光开槽设备 Automatic wafer laser slotting equipment
		深圳光韵达光电科技股份有限公司 SHENZHEN SUNSHINE LASER&ELECTRONICS TECHNOLOGY CO.,LTD	高分辨率紫外光机 High-resolution UV light machine
		苏州天弘激光股份有限公司 SUZHOU TIANHONG LASER CO.,LTD	铟瓦尺条纹激光刻蚀系统 Laser etching system for indium tile ruler stripes
<b>激光配套系统创新贡献奖</b> Laser Supporting System Innovation Contribution Award	器件与配套产品类 Devices and supporting products	上海维宏电子科技股份有限公司 Shanghai Weihong Electronic Technology Co.,Ltd.	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
		清能德创电气技术（北京）有限公司 Tsino-Dynatron Electrical Technology (Beijing) Co., Ltd.	CoolDrive S7高性能伺服驱动器 CoolDrive S7 high-performance servo drive
		深圳市酷凌时代科技有限公司 Shenzhen cooling times Technology Co.,Ltd	高精度微型激光冷水机 High-precision miniature laser chiller
		深圳市彩煌热电科技有限公司 Shenzhen Caihuang thermoelectric Technology co., Ltd	W5000-CB-55型激光功率计 W5000-CB-55 laser power meter
<b>激光加工头创新贡献奖</b> Laser Processing Head Innovation Contribution Award	器件与配套产品类 Devices and supporting products	上海嘉强自动化技术有限公司 Shanghai Empower Technologies Co., Ltd	BW290-ZOOM 自动变焦智能焊接/熔覆/淬火头 BW290-ZOOM automatic zoom smart welding/cladding/quenching head
		普雷茨特精密技术（上海）有限公司 Precitec Precise Technologies (Shanghai) Co., Ltd.	ProCutter2.0 30kW 智能切割头 ProCutter2.0 30kW smart cutting head
		南京辉锐光电科技有限公司 NANJING HUIRUI PHOTOELECTRIC TECHNOLOGY CO., LTD	第二代激光熔覆头 The second generation laser cladding head

# 2021年度中国激光行业创新贡献奖

LASER INDUSTRY INNOVATION AWARDS 2021



奖项 / Award

类别 / Category

获奖企业 / Winner

获奖项目 / Award-winning projects

## 激光行业影响力企业奖

Laser Device Innovation Contribution Award

器件与配套产品类  
Devices and  
supporting  
products

北京首量科技股份有限公司  
Beijing Scitlion Technology Corp., Ltd  
  
光越科技（深圳）有限公司  
Guangyue Technology (Shenzhen) Co., Ltd.  
  
珠海光库科技股份有限公司  
Advanced Fiber Resources(Zhuhai) Co.,Ltd.

方形匀化光纤  
Square homogenized fiber  
  
高稳定多点复用光纤皮秒种子源  
Highly stable multi-point multiplexing fiber picosecond seed source  
  
ClearCut™ 色散可调谐光纤光栅脉冲展宽器  
ClearCut™ Dispersion Tunable Fiber Bragg Grating Pulse Stretcher

## 激光行业杰出进步企业奖

Laser Supporting System Innovation  
Contribution Award

企业类  
Enterprise

吉林省永利激光科技有限公司  
Jilin Yongli Laser Technology Co., Ltd.  
  
武汉光至科技有限公司  
Wuhan Guangzhi Technology (GZT) Corporation Ltd.  
  
深圳市超越激光智能装备股份有限公司  
SHENZHEN BEYOND LASER TECHNOLOGY CO.,LTD  
  
北京金橙子科技股份有限公司  
Beijing JCZ Technology CO., Ltd

永利  
Yongli



超越激光  
Beyond Laser



## 激光行业影响力企业奖

Influential Laser Enterprise Award

企业类  
Enterprise

深圳迪能激光科技有限公司  
Shenzhen DNE Laser Science and Technology Co., Ltd.  
  
广东宏石激光技术股份有限公司  
Guangdong HSG Laser Technology Co., Ltd.  
  
武汉锐科光纤激光技术股份有限公司  
Wuhan Raycus Fiber Laser Technologies Co., Ltd.

DNE 百超迪能  
Member of Bystronic

HSG 宏山  
切割 | 折弯 | 焊接 | 自动化

Raycus

LMN

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LMN WORLD LASER MANUFACTURING CONFERENCE

大会报名

CONFERENCE REGISTRATION

LMN

2021 世界激光制造大会  
WORLD LASER MANUFACTURING CONFERENCE 2021

# 演讲申请

## APPLY FOR A SPEAKER

感谢您对LMN世界激光制造大会的关注与支持!

如需申请演讲席位, 请按如下步骤及时提交文件。经大会组委会审核评定后, 将及时与您联系。

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.

步骤: 1. 演讲人基本信息及演讲题目请于确认演讲后, 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

Steps: 1. Please submit your introduction and speech topic as soon as possible.

2. Please submit your presentation or slides before May 1, 2022

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

## 演讲申请表 Speaker Information Form

以下表格必须提交中英文内容 Please fill in the form in bilingual

	中文	English
演讲嘉宾 Speaker Name		
单位名称 Company Name		
职务 Job Title		
演讲题目 Topic		
演讲摘要 Abstract (300字以内 less than 300 words)		
演讲人联系方式 Speaker Contact Info	Tel	Mobile
	Fax	Email
个人简介 Personal profile		
公司/单位简介 Company Profile		

# 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.

## 赞助申请表 Sponsor Application Form

	中文		English	
姓名 Name				
单位名称 Company Name				
职务 Job Title				
联系方式 Contact Info	Tel		Mobile	
	Fax		Email	
公司/单位简介 Company Profile				
备注	1.您想赞助的项目 The project you want to sponsor 2.您想分享的题目及摘要内容（如有） The topic and abstract of your speech (if any)			

# 听众注册

## REGISTRATION FOR ATTENDEES

如果您有兴趣成为LMN 2022世界激光制造大会听众，请填写如下相关信息。

If you are interested in becoming an attendee of LMN 2022 World Laser Manufacturing Conference, please fill the following form.

## 听众报名表 Registration Form

	中文		English	
姓名 Name				
单位名称 Company Name				
职务 Job Title				
联系方式 Contact Info	Tel		Mobile	
	Fax		Email	
备注 PS	1. 您想听的报告内容： 1.The speech topic you are interested in 2. 您希望哪一位专家/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			



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LMN 2022

世界激光制造大会

LMN World Laser Manufacturing Conference 2022

2022年6月7-9日  
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中国·深圳  
Shenzhen, China







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2022

明年再见!

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



汉诺威米兰星之球展览(深圳)有限公司



汉诺威米兰展览(上海)有限公司



合作机构:广东省激光行业协会





# 华南国际工业博览会

South China International Industry Fair

2022年6月7-9日

深圳国际会展中心（宝安新馆）

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工业互联网体验展



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## 联系方式 CONTACT US

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