

LMN 2019

世界激光制造大会

LMN World Laser
Manufacturing
Conference 2019

会议总结 SUMMARY



概述

Overview

LMN 2019 世界激光制造大会于今年5月8日在深圳会展中心隆重举行，邀请到了美国激光学会主席钟敏霖教授、日本光学学会专家早崎芳夫教授、新加坡光学与光子学学会主席Anand Asundi教授、瑞士光电联合会创始人之一Beat Neuenschwander教授、武汉·中国光谷激光行业协会会长朱晓教授、澳大利亚光学学会会长John Harvey教授、俄罗斯激光协会萨拉托夫区域中心秘书长Sergei Sokolov博士、立陶宛激光协会董事局成员Kestutis Jasiunas、恩耐激光光纤激光器技术副总裁Dahv Klinier博士、广东国志激光技术有限公司首席科学家马修泉博士、百超（上海）精密机床有限公司业务发展总监姜洋等近20位海内外权威光学、激光行业专家学者、行业领军代表与会演讲，分析现状展望未来，共同探讨企业和行业的发展战略和前景，致力于进一步促进中国激光制造技术的不断创新，吸收国际先进激光技术与创新理念，引领激光产业健康发展。本届大会现场专业听众达到658人次。

大会期间，中国激光产业社团联盟、俄罗斯激光协会、欧洲光电产业协会、日本激光加工学会、新加坡光学与光子学学会、立陶宛激光协会、澳大利亚光学学会、瑞士光电联合会、中国台湾雷射科技应用协会和中国广东省激光行业协会还在大会现场共同成立了世界激光制造大会理事会，理事会旨在依托世界激光制造大会建立联络机制，研发世界激光制造行业报告，打造激光制造智库，搭建世界性激光制造交流平台。

LMN World Laser Manufacturing Conference 2019 was grandly held on May 8th in Shenzhen Convention & Exhibition Center, inviting nearly 20 leading figures as well as authoritative experts in the photonics and laser industry from home and abroad to serve as guest speakers. They are Prof. Dr. Minlin Zhong (President of Laser Institute of America), Prof. Dr. Yoshio Hayasaki (Member of Optical Society of Japan), Prof. Dr. Anand Asundi (Chairman of Optics and Photonics Society of Singapore), Prof. Dr. Beat Neuenschwander (one of the initiators of SWISSPHOTONICS), Prof. Dr. Xiao Zhu (President of Wuhan Laser Association of Optics Valley of China), Prof. Dr. John Harvey (President of Australian Optical Society), Dr. Sergei Sokolov (Academic Secretary of the Laser Association Saratov regional center), Mr. Kestutis Jasiunas (Member of the Board, Lithuanian Laser Association), Mr. Dahv Klinier (Vice President of Fiber Laser Technology at nLIGHT), Dr. Xiuquan Ma (Chief Scientist of GZ Photonics Co., Ltd) and Mr. Yang Jiang (Business Development Director of Bystronic Co., Ltd (Shanghai)). The invited speakers analyzed the status quo of industry development, explored the industry's future development trend and discussed the development strategy and prospect of the enterprises and industry, thus helping further drive the constant innovation in Chinese laser manufacturing technologies, learn from international advanced laser technologies and innovation ideas and lead the healthy development of the laser industry. The conference has attracted 658 trade visits to participate onsite.

During the Conference, China Laser Industry Community Alliance, Russian Laser Association, European Photonics Industry Consortium, Optical Society of Japan, Optics and Photonics Society of Singapore, Lithuanian Laser Association, Australian Optical Society, SWISSPHOTONICS, Taiwan Laser Technology Application Association, and Guangdong Laser Industry Association initiated the proposal of jointly establishing the Council of World Laser Manufacturing Conference. It aims to establish the communicating mechanism based on the Conference, make R&D reports for the global laser manufacturing industry, create the laser manufacturing think tank, and build the global networking platform of laser manufacturing.

组织机构

主办单位：

中国激光产业社团联盟
深圳市科学技术协会
广东省激光行业协会

协办单位：

立陶宛激光协会
日本光学学会
俄罗斯激光协会萨拉托夫中心
瑞士光电联合会
瑞士光学和显微学会
新加坡光学与光电子协会
欧洲光电产业协会
台湾镭射应用科技协会

承办单位：

广东省光学学会
深圳技术大学
深圳市智造激光技术研究院
深圳市激光智能制造行业协会
武汉·中国光谷激光行业协会
广东省激光产业技术创新联盟
《激光制造商情》

执行单位：

汉诺威米兰之星展览（深圳）有限公司
汉诺威米兰展览（上海）有限公司
深圳市仪器仪表学会

Hosted by:

Chinese Laser Industry Community Alliance
Shenzhen Association for Science and Technology
Guangdong Laser Industry Association

Supporting Organizations:

Lithuanian Laser Association
Optical Society of Japan
Russian Laser Association Saratov regional center
SWISSPHOTONICS
Swiss Society for Optics and Microscopy
Optics and Photonics Society of Singapore
European Photonics Industry Consortium
Taiwan Laser Technology Application Association

Co-organizers:

Guangdong Optical Society
Shenzhen University of Technology
Shenzhen Zhizao Laser Technology Research Institute
Shenzhen Laser Intelligent Manufacturing Industry Association
Wuhan & China Optics Valley Laser Industry Association
Guangdong Laser Industry Technology Innovation Alliance
Laser Manufacture News

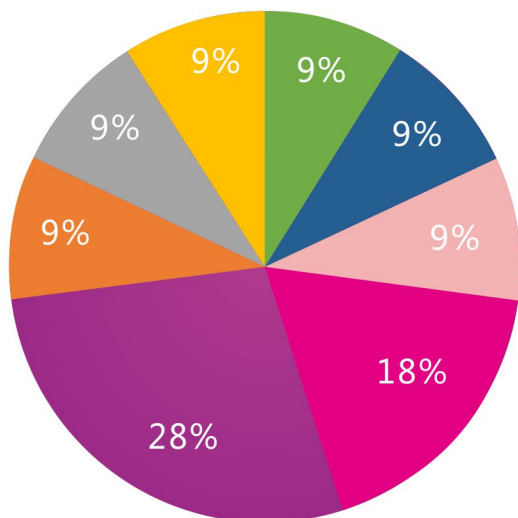
Organizers:

Hannover Milano XZQ Fairs Shenzhen Ltd.
Hannover Milano Fairs Shanghai Ltd.
Shenzhen Instrument & Control Society

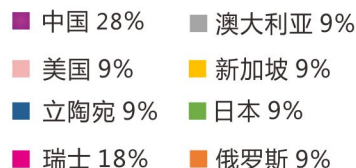


本次大会共邀请了9个国家和地区的近20位权威激光行业领军人物和权威专家与会演讲。

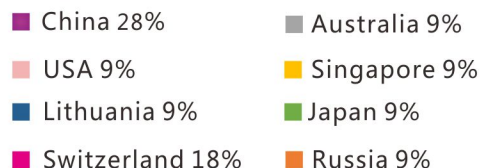
The conference has invited nearly 20 authoritative leading figures as well as authoritative experts in the laser industry from 9 countries and regions to serve as guest speakers.



演讲人区域分布



Regional distribution of speakers



听众区域分布

Regional distribution of visitors

1. 听众特征分析 Characteristics analysis of visitors

吸引专业观众658人次。 Attracting 658 trade visits.

● 听众区域分布

Regional distribution of visitors

从专业听众区域分布情况来看，国内专业听众占94%，其中华南地区听众占比61%；国际专业听众占6%。

In terms of regional distribution of trade visitors, Chinese trade visitors account for 94%,

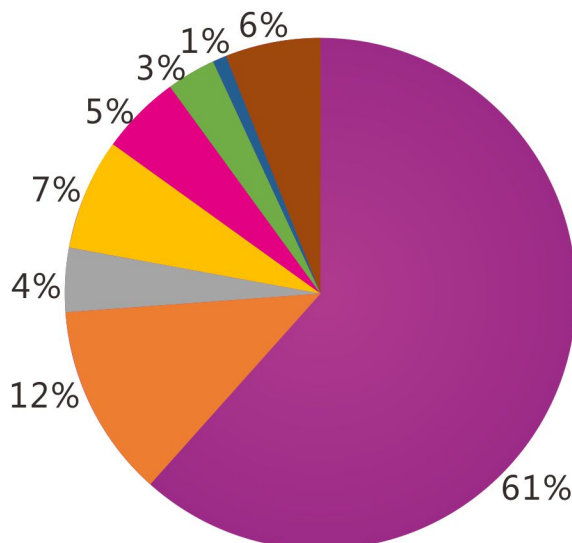
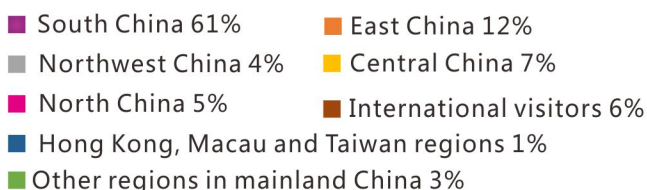
of which the visitors from South China account for 61%;

international trade visitors account for 6%.

听众占比

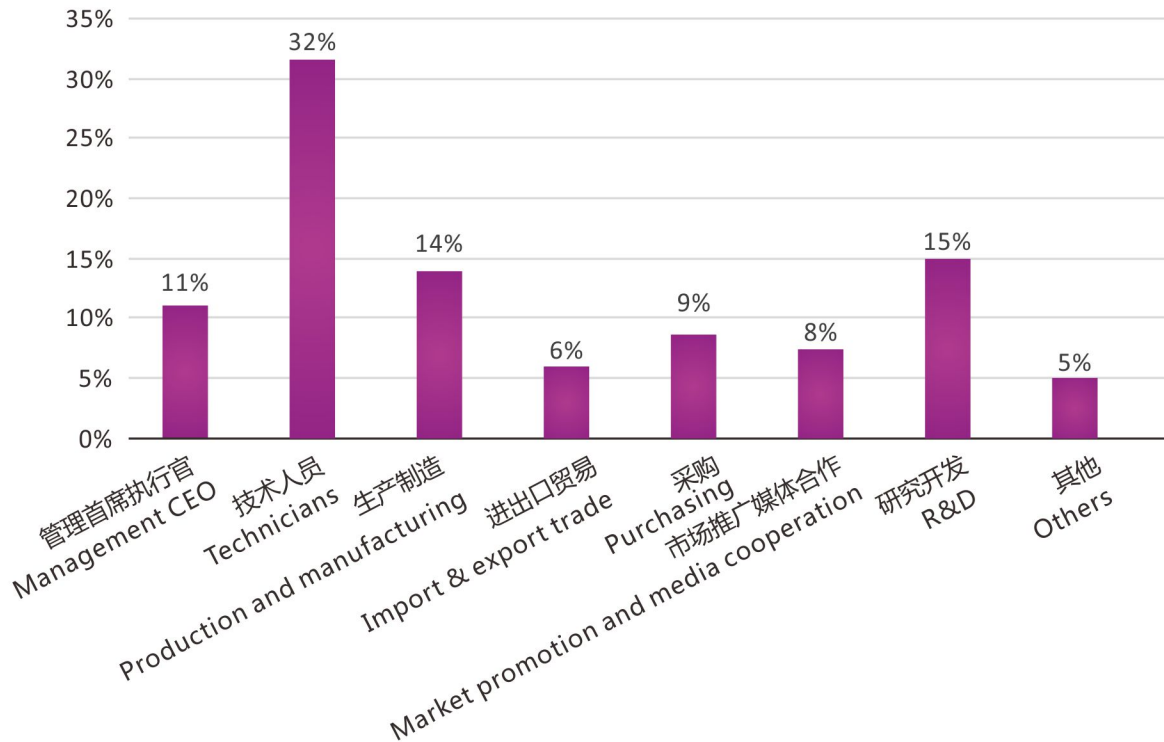


Proportion of visitors



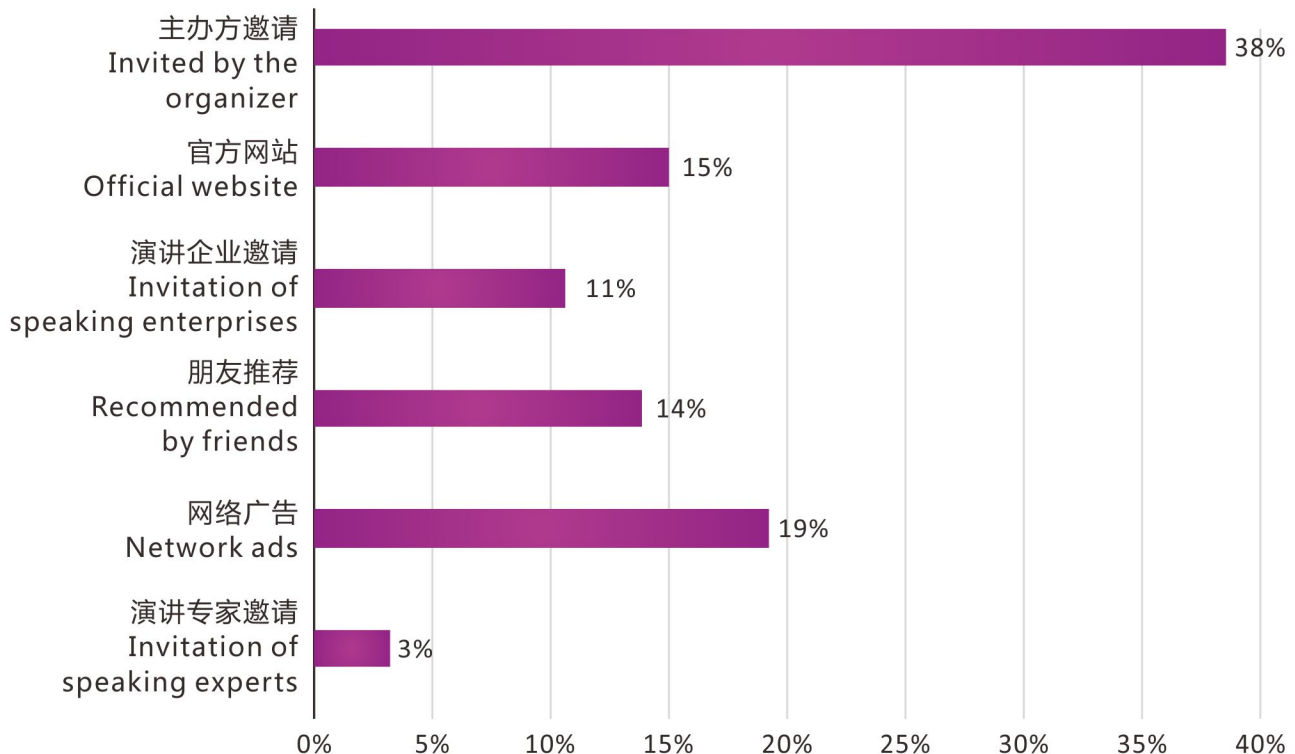
听众职业分析

Occupational analysis of visitors



获取大会信息渠道占比

Channel proportion of accessing conference information



参会企业 Participation Companies



合作媒体 Media Partners





早崎芳夫 教授
Prof. Dr. Yoshio Hayasaki

日本光学学会专家
Member of Optical Society of Japan

我很高兴参加2019世界激光制造大会，我享受与受邀的演讲者和组织者讨论未来激光材料加工的这一过程。此外，我也很高兴结交新的中国朋友。

I am happy to attend the World Laser Manufacturing Conference 2019, because I enjoyed to discuss with invited speakers and organizers about future material laser processing. In addition I was also happy to make new Chinese friends.



John Harvey 教授
Prof. Dr. John Harvey

澳大利亚光学学会会长
President of Australian Optical Society

感谢大会邀请我贡献一份力量，让我能概述澳大利亚和新西兰光电制造业的未来发展。

我非常感谢能有机会参加大会并与光电技术相关领域的其他世界专家见面。

我觉得在这个领域能真正有机会，让业界同仁合作并一同发展。大会在很大程度上可以通过向中国本土制造商和研究人员引见与会者的方式，来助力合作共赢。这次大会所带来的实际益处之一，就是我在访问期间能有机会参观深圳的一家工厂。将来，我也会与相关企业就合作事宜进行后续讨论。

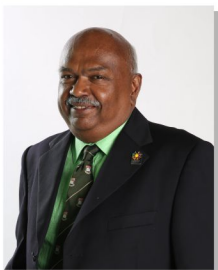
再次感谢贵方的协助安排。

Thank you for inviting me to contribute to your meeting, enabling me to outline the future of photonics enabled manufacturing in Australia and New Zealand.

I greatly appreciated being able to attend and to meet other world experts in related areas of photonic technologies.

I feel that there is a real opportunity for collaboration and growth in this area and your conference may well help to enable such collaborative efforts by introducing participants to local Chinese manufacturers and researchers. As a concrete example of the benefits of such a meeting, I was able to visit a factory in Shenzhen during my visit, and I am engaged in follow up discussions about partnering with the company involved in the future.

Once again thanks for you assistance with the arrangements.



Anand Asundi 教授
Prof. Dr. Anand Asundi

新加坡光学与光子学学会主席
Chairman of Optics and Photonics Society of Singapore

在各个领域，尤其是增材制造和微制造领域广泛使用激光的大背景下，这场激光大会是一场不可或缺的盛会。虽然重点在制造，但激光测量也是这个领域的重要组成部分，我很高兴看到有观众对我的演讲感兴趣。我期待将来能对这一活动予以支持，如果时间安排合适，我将很高兴参加。

The Laser conference was a needed event with the widespread use of lasers in variety of fields mostly in Additive Manufacturing and Micro-fabrication. While the focus is on Manufacturing, Laser Metrology is also a vital part of this field and I was glad to see some interest on this in my presentation. I look forward to supporting this event in future and will be glad to attend if timing is good.



Kestutis Jasiunas 先生
Mr. Kestutis Jasiunas

立陶宛激光协会董事局成员
Member of Board of Lithuanian Laser Association

首先，我要感谢主办方热情周到地组织了2019世界激光制造大会。我很高兴能参加这场相当有益的大会。我为将来的活动以及立陶宛和中国激光协会合作获得了许多新的人脉和有用的想法。我对下一次活动的建议是专注于商业方面，介绍潜在的商业、技术合作领域，或者单单打成一个学术会议，介绍技术应用的新领域。

First of all I would like to thank to organizers for friendly and careful organizing World Laser Manufacturing Conference 2019. It was very useful, also big pleasure to attend it. I get a lot of new contacts and useful ideas for ours future activity as well as the ideas of cooperation between Lithuanian and China laser communities in future. My recommendation for next event is to concentrate on business event, with presenting the fields of possible business cooperation, technology cooperation, or otherwise concentrate only on scientific conference with presentations of new fields of our technology applications.



Sergei Sokolov 博士
Dr. Sergei Sokolov

俄罗斯激光协会萨拉托夫区域中心 秘书长
Academic Secretary of the Laser Association Saratov regional center

自激光被发明以来已经过去了大约60年，如今数千种型号的各种激光器不断涌现。激光器研发的中心将逐渐从激光器本身的研究延伸到各种领域的应用——从机械工程、电子和航空航天工业，到纳米技术、生物光电学等。因此，我们需要掌握新的应用领域，开发新的激光技术。

英国著名作家乔治萧伯纳说：

“如果你有一个苹果，我有一个苹果，我们交换这些苹果，那么你和我仍然会有一个苹果。但如果你有一个想法，我有一个想法，我们交换这些想法，那么我们每个人都会有两个想法。”

对于2019 LMN世界激光制造会议来说，这可能是一个很好的口号。

演讲者不仅谈到了激光的新技术及其应用，尤其是飞秒激光器，还指出了具有前景的创新领域，揭示了激光使用的新方向——例如食品工业和农业。演讲产生了良好的协同效应，所有会议参与者都为未来的许多项目提供了新的想法。

About 60 years have passed since the creation of the laser and today thousands of models of various lasers are being produced. The development center of lasers will blend gradually from the creation of the laser itself to its applications in various fields - from mechanical engineering, electronics and the aerospace industry - to nanotechnology, biophotonics, and others. Therefore, we need to master new areas of application, to develop new laser technologies.

The famous British writer George Bernard Shaw said:

“If you have an apple and I have an apple and we exchange these apples then you and I will still each have one apple. But if you have an idea and I have an idea and we exchange these ideas, then each of us will have two ideas.”

This can be a good motto for the LMN World Laser Manufacturing Conference 2019.

The speakers spoke not only about new laser technologies and their applications, in particular, femtosecond lasers, but also indicated new promising areas that revealed new areas for the use of lasers - for example, the food industry and agriculture. As a result, a good synergistic effect arose and all the conference participants were enriched with new ideas for many future projects.



Beat Neuenschwander 教授
Prof. Dr. Beat Neuenschwander

瑞士光学和显微学会副会长
Vice President of Swiss Society for Optics and Microscopy

我很荣幸能够出席2019世界激光制造业大会并发表演讲。我很高兴与来自世界各地的人们，特别是来自中国的人们在同一领域工作。我相信这个活动是一个建立联系，讨论、交流知识，以及应用实践的理想机会。此外，我对中国激光制造市场的规模和多样化印象深刻，我们在欧洲时常无法了解到这一点。

It was an honor for me to attend and speak at the World Laser Manufacturing Conference 2019. I enjoyed to meet and discuss with people from all around the world, especially from China, working in the same field. I'm convinced that this event is an ideal place for networking, for discussions and for exchange of knowledge and best practice. Further I was impressed by the size and the versatility of the Chinese market in laser manufacturing, which we often are not aware of in Europe.





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