

欢迎



CSLIBS 2011与会学者专家莅临海大指导
Welcome CSLIBS 2011 participants to OUC





1st Chinese Symposium on LIBS





1st Chinese Symposium on LIBS



It was a round-table meeting for people who were really interested in LIBS & its applications.



March 26, 2011. Qingdao, SD, China



Welcome you to CSLIBS 2011

March 26, 2011. Qingdao, SD, China

第一届中国激光诱导击穿光谱学研讨会

1st Chinese Symposium on Laser-induced
Breakdown Spectroscopy-CSLIBS 2011



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二零一一年三月

中国·青岛

CSLIBS 2011, March 25-26, 2011, Qingdao, CHINA

Dear All,

We are here in Qingdao welcome you to the 1st CSLIBS 2011, the Chinese LIBS community reunion. As you wished, CSLIBS 2011 is a round-table meeting for people who are really interested in LIBS and its applications. The topic of the meeting will focus on "what we are doing and what we are expecting" to see if we could do something together in the future.

The symposium of this year is organized by Optics and Optoelectronics Laboratory, Ocean University of China. Ronger Zheng, the head of OOE Lab, together with all of her group members would like to wish the CSLIBS 2011 a great success. May all of you enjoy your staying in Qingdao and have a very nice weekend.

前 言

本着“加强交流，共谋发展”的宗旨，在广大 LIBS 科研同仁的建议和关心下，“第一届中国激光诱导击穿光谱技术研讨会（CSLIBS 2011）”于 2011 年 3 月 26 日在青岛召开。

CSLIBS 2011 以一种非正式的讨论会的形式，为广大 LIBS 技术科研工作者创造一个加强交流与促进合作的平台。国内外十余家科研院所的数十名科研人员将参加本次会议，因故未能参加会议的港澳 LIBS 同仁也对本次会议表示了强烈的关注。与会同仁将围绕“基础”和“应用”两个专题介绍各自在 LIBS 技术方面取得的最新成果，并就关心的问题进行讨论。同时，与会成员将对 CSLIBS 未来的发展进行讨论。

本届会议由中国海洋大学信息科学与工程学院光学光电子实验室筹办，先锋科技有限公司给予了部分赞助。会务组将认真安排会议每一项事务，为大家营造一个舒适并且学术氛围浓厚的会议环境。

郑荣儿携实验室全体同仁，预祝会议圆满成功，并祝 LIBS 同仁在青的日子里舒心愉快、有所收获！

2011-03-26, 青岛

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OOE Lab of OUC

— Summary of the First Chinese Symposium on Laser-Induced Breakdown Spectroscopy _ CSLIBS 2011, March 2011 —

“The First Chinese Symposium on LIBS (CSLIBS 2011)” was successfully held in Qingdao, March 25-27, 2011, with organization of prof. Ronger Zheng and her OUC-LIBS group. CSLIBS 2011 is a round-table meeting for people who are really interested in LIBS and its applications. The topic of the meeting focus on "what we are doing and what we are expecting" to see if we could do something together in the future.

As expected, the meeting had received warmly response from most of the representative LIBS research groups all over the China and more than 50 research scientists & postgraduate students attended the meeting. Over **15 talks** were presented on the meeting including 4 from *South China University of Technology*, 1 from *Beijing Institute of Technology*, 1 from *Zhejiang Normal University*, 1 from *Anhui Normal University*, 1 from *Shanxi University*, 2 from *Ocean University of China*, 1 from *South-Central University for Nationalities*, 1 from *Shenyang Institute of Automation* (Chinese Academy of Sciences, CAS), 2 from *Anhui Institute of Optics and Fine Mechanics* (CAS), 1 from *Institute of Oceanology* (CAS), and so on. In addition, Prof. Jin Yu from *University Claude Bernard Lyon 1*, Francois Fariaut and Severine Dubroëcq from *IVEA Solutions Limited of France* participated in the meeting as the special invited guests and presented their works.

As can be seen from the schedule, the topic of those presentations has two category as “fundamental” and “applications”. The basics of LIBS technique such as high efficient generation of plasma and the diagnostics of its evolvement, new measurement methods of plasma electron density and temperature, novel plasma enhance mechanism and etc. were discussed. The most updated research progresses of using LIBS technique, including real time *in situ* analysis of pulverized coal, liquid metal composition online analysis, industrial combustion process diagnosis, pharmaceuticals, mineral exploration, rubbish dispose, soil, water treatment, ocean, agriculture and so on have also been presented.

As the outcome of this meeting, it was suggested that a number of review papers would be prepared by several representative groups for a special issue of *Frontiers of Physics*. In addition, the future development of CSLIBS community and potential cooperation of CSLIBS members were also discussed. It came into agreement that the 2nd CSLIBS symposium would be held in Anhui, organized by Anhui Institute of Optics and Fine Mechanics of CAS, around the end of March or early of April, 2012.

All the attendants highly acknowledged to professor Zheng’s OUC-LIBS group for organizing the meeting and to *Titan Electro-Optics Co. Ltd.* for their partly financial support to CSLIBS 2011.



CSLIBS 2011 会议安排

Chinese Symposium on Laser Induced Breakdown Spectroscopy 2011

2011-03-26, 青岛

报告时间	报告题目	报告人
08:30-08:45	Welcome and Opening	郑荣儿
Morning Session I (8:45-10:35) 董凤忠/尹王保 主持		
08:45-08:50	LIBS in 华南理工大学	陆继东
08:50-09:15	光电双脉冲激光诱导击穿光谱技术及其应用	李润华
09:15-09:30	激光诱导击穿光谱技术在电站优化运行诊断中的应用研究	姚顺春
09:30-09:45	不同形态碳、氮元素的激光诱导击穿光谱特性研究	董芙蓉
09:45-10:10	LIBS in 安徽师范大学: Ni 元素的共线双飞脉冲激光诱导击穿光谱研究	崔执凤
10:10-10:35	LIBS in 浙江师范大学: 激光烧蚀-快脉冲放电土壤等离子体中电子数密度和温度的测量	周卫东
10:35-10:55	茶歇 (合影)	
Morning Session II (10:50-11:45) 陆继东/李润华 主持		
10:55-11:20	LIBS in LASIM of Lyon 1 University: Diagnostics of laser-induced plasma with emission spectroscopy and applications for analytical sciences	Jin Yu
11:20-11:45	LIBS in IVEA: Versatile LIBS analysers enabling fast development of any applications	F. Fariaut
11:45-13:20	午餐	
Afternoon Session I (13:20-16:15) Jin Yu/周卫东 主持		
13:20-13:45	LIBS in 中科院安徽光机所: LIBS 技术在金属冶炼成分实时在线检测中的应用研究进展	董凤忠
13:45-14:10	LIBS in 山西大学: 便携式激光土壤重金属污染物现场检测装置研制	尹王保
14:10-14:35	LIBS in 中南民族大学: LIBS 监测烟气中有毒颗粒物的研究进展	林兆祥
14:35-14:55	LIBS in 中科院沈阳自动化研究所: LIBS 应用于液态金属成分的在线检测	孙兰香
14:55-15:15	LIBS in 北京理工大学: LIBS 技术在痕量爆炸物探测中的应用	王茜蓓
15:15-15:40	LIBS in 中国海洋大学: 激光光谱技术在海洋探测中的应用	郑荣儿
15:40-15:55	基于拉曼光谱的天然水合物沉积区孔隙水甲烷浓度原位探测	张鑫
15:55-16:10	茶歇	
Afternoon Session II (16:15-17:20) 崔执凤/林兆祥 主持		
16:10-16:40	LIBS in 天津大学(马艺闻/杜振辉)/ 中科院安徽光机所(赵南京)/ 中科院苏州生物医学工程技术研究所(姜琛昱)/ 江西农业大学等	
16:40-17:20	CSLIBS 的未来发展计划讨论	
17:20	闭会	
17:30	晚宴	



CSLIBS 2011 Scientific Program

Chinese Symposium on Laser Induced Breakdown Spectroscopy 2011—Qingdao Workshop, 26-03-2011

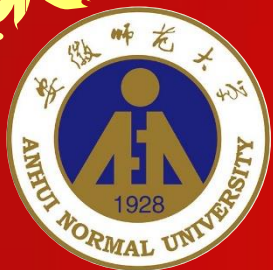


Time duration	Title of speech	Speaker
08:30-08:45	Welcome and Opening	R. Zheng
Morning Session I (8:45-10:35) Chair: Fengzhong Dong/Wangbao Yin		
08:45-08:50	Introduction of LIBS in South China University of Technology	J. Lu
08:50-09:15	Optical-electrical Dual-pulse Laser-induced Breakdown Spectroscopy and Its Applications	R. Li
09:15-09:30	The Application of Laser Induced Breakdown Spectroscopy for Diagnosis of Power Station	S. Yao
09:30-09:45	A Study on Laser-Induced Breakdown Spectroscopy of Solid Material with Different Element Speciation for Carbon and Nitrogen	M. Dong
09:45-10:10	Double Femtosecond Pulse Laser-Induced Breakdown Spectroscopy of Nickel in the Collinear Beam Geometry	Z. Cui
10:10-10:35	Electron Density and Temperature Measurements in A Laser Ablation Fast Pulse Discharge Plasma	W. Zhou
10:35-10:55	Tea Break	
Morning Session II (10:50-11:45) Chair: Jidong Lu/Runhua Li		
10:55-11:20	Diagnostics of Laser-Induced Plasma with Emission Spectroscopy and Applications for Analytical Sciences	J. Yu
11:20-11:45	Versatile LIBS Analysers Enabling Fast Development of Any Applications	F. Fariaut
11:45-13:20	Lunch and Break	
Afternoon Session I (13:20-16:15) Chair: Jin Yu/Weidong Zhou		
13:20-13:45	Research Progress on Real-time <i>in situ</i> Analysis of Constituents in Extractive Metallurgy with LIBS Technique	F. Dong
13:45-14:10	Portable LIBS Device for Heavy Metal Contaminants <i>on-site</i> Testing	W. Yin
14:10-14:35	The Development of LIBS Monitor Particle in Flue Ggas	Z. Lin
14:35-14:55	Online Detection of Liquid Metal Composition by LIBS	L. Sun
14:55-15:15	LIBS for Trace Explosive Detection	Q. Wang
15:15-15:40	Laser spectroscopy for Ocean Applications	R. Zheng
15:40-15:55	<i>In situ</i> Raman-based Measurements of Dissolved Mmethane Concentrations in Hydrate-rich Ocean Sediments	X. Zhang
15:55-16:10	Tea Break	
Afternoon Session II (16:15-17:20) Chair: Zhifeng Cui/Zhaoxiang Lin		
16:10-16:40	Free Discussions	
16:40-17:20	Proposal for Future development of CSLIBS	
17:30-19:30	Banquet	

1st Chinese Symposium on LIBS
 March 26, 2011. Qingdao, SD, China



1st Chinese LIBS community reunion



CSLIBS 2019



CSLIBS 2013



CSLIBS 论坛 2019



CSLIBS论坛 2014



CSLIBS 2017



CSLIBS 2012



CSLIBS 2011



CSLIBS 2016



LIBS 2016



NH Cheung
Hong Kong Baptist University

6th International Conference on Laser-Induced Breakdown Spectroscopy



LIBS 2010

Sept.13-17, 2010.
Memphis, TN USA



- ◆ CSLIBS Newsletter, the 1st Issue, Sep.23, 2010
- ◆ 1st CSLIBS Announcement, Feb. 9, 2011

CaiY

YuJ

CuiZF

ZhengR

ZhouWD

LuJD

ZhongSL

LinZX, JiangCY