

The Second Announcement of the 3rd International Conference on Matter and Radiation at Extremes (ICMRE2018)

Dear Colleagues,

The 3rd International Conference on Matter and Radiation at Extremes (ICMRE) will be held in Qingdao Huiquan Dynasty Hotel on 6-11th May, 2018. The conference will be hosted by **Qingdao University, Science and Technology on Plasma Physics Laboratory, LFRC** and **Shanghai Jiao Tong University**. The ICMRE is a newly founded conference by China Academy of Engineering Physics (CAEP). The conference is aimed to provide a platform for scientists and engineers from all over the world to share their recent developments in frontiers of theory and numerical methods. The 3rd ICMRE covers the fundamental physics at extremes, the laser, particle beam and magnetic driven fusion physics, the pulsed power technology and laser technology, as well as a workshop on the laser-plasma interaction. The general chair of ICMRE2018 is Prof. Weiyan Zhang from China Academy of Engineering Physics. The co-chairs of ICMRE2018 are Prof. Jie Zhang from Chinese Academy of Sciences and Prof. Michael Campbell from University of Rochester.

You are welcome to join the ICMRE2018. More details can be found on the website: <http://www.mre.org.cn/icmre2018.html>.

Plenary Speakers:

Jie ZHANG, Chinese Academy of Science, China

Michael CAMPBELL, University of Rochester, USA

Vladimir FORTOV, Joint Institute for High Temperature, Russian
Academy of Science, Russia

Ho-kwang MAO, Center for High Pressure Science and Technology
Advanced Research, USA

Victor MALKA, Centre National de Larecherche Scientifique, France

Shaoping ZHU, Science and Technology on Plasma Physics Laboratory,
Laser Fusion Research Center, CAEP, China

Thomas MATTSSON, Sandia National Laboratory, USA

Weiping XIE, Institute of Fluid Physics, CAEP, China

Sergey LEBEDEV, Imperial College London, U.K.

Wanguo ZHENG, Laser Fusion Research Center, CAEP, China

Kazuo A. TANAKA, Extreme Light Infrastructure-NP, Japan

Hongwei ZHAO, Institute of Modern Physics, CAS, China

Nicolas SISOURATE, Srobonne Universit é France

Dimitri BATANI, Univeristy of Bordeaux, France

Jing CHEN, Institute of Applied Physics and Computational
Mathematics, China

Praveen RAMAPRABHU, The University of North Carolina at
Charlotte, USA

Qian YUE, Tsinghua University, China

Ke LAN, Institute of Applied Physics and Computational Mathematics,
China

Topics:

- Laser-and Particle Beam Fusion, Magnetic Driven Fusion
 - Laser fusion physics
 - Particle beam fusion physics
 - Z-pinch fusion physics
 - Experiments and diagnostics
 - Other fusion approaches
- Fundamental Physics at Extremes
 - Atomic physics, nuclear physics and plasma physics at extremes
 - Radiation- and high energy particle generation
 - High pressure materials science
 - Ultra-intense laser plasma interactions
 - Laser accelerator
- Laser and Pulsed Power Technology
 - High power laser technology
 - Ultra-intense laser technology
 - Pulsed power technology
 - High power microwave/millimeter-wave/terahertz

technologies

- Related numerical simulation and computation technology

- Laser-Plasma Interaction

- Theory, Simulation, Experiment and Diagnostics for the Laser-Plasma Interaction

General Chair:

Weiyan ZHANG (China Academy of Engineering Physics, China)

Co-Chairs:

Jie ZHANG (Chinese Academy of Sciences, China)

Michael CAMPBELL (University of Rochester, USA)

International Technical Committee:

Chairs:

Shaoping ZHU (Science and Technology on Plasma Physics Laboratory, Laser Fusion Research Center, CAEP, China)

Dieter H. H. HOFFMANN (Technische Universität Darmstadt, Germany)

Members:

Stephan WEBER, Ke LAN, Robert BINGHAM,

Vadim V. BRAZHKIN, Sebastijan BREZINSEK,

Michael. CAMPBELL, Jianjun DENG, Yongkun DING,

Daniel EAKINS, Eugene GRABOVSKI, Xiantu HE,

Bjorn M.HEGELICH, Javier HONRUBIA, Per JONSSON,
Predrag KRSTIC, Sergey LEBEDEV, Yutong LI, Jie LIU,
Igor V.LOMONOSOV, Victor MALKA, Yitzhak MARON,
Hokwang MAO, Kunioki MIMA, Georg MUELLER,
Masakatsu MURAKAMI, Andreas NEUBER, Bucur NOVAC,
Rafael RAMIS, Edl SCHAMILOGLU, Peter J.SPILLER,
Phillip C.STANCIL, Naresh THADHANI, Raj K.THAREJA,
Jianguo WANG, Qiang WU, Yuhong XU, Ping YAN,
Xueqing YAN, Yongtao ZHAO, Wanguo ZHENG

Local Organizing Committee:

Chairs:

Dongwei XIA (Qingdao University, China)

Shao'en JIANG (Laser Fusion Research Center, CAEP, China)

Deputy Chairs: Weijin KONG, Zongqing ZHAO

Staffs: Wenkang ZOU, Weibing SUN, Suhua WEI, Yong TANG, Zhiruo
ZHANG, Zhuo WANG, Dan HAN, Jianhua ZHENG, Xufei XIE, Xing
ZHANG, Zhongjing CHEN, Zanyang Guan, Ao SUN, Feng QIAN, Bo
ZHANG, Yue YANG, Shaoyi WANG, Quanping FAN, Zhuoyang YAN,
Hao YANG, Ying HUANG

Co-hosts:

Institute of Fluid Physics, CAEP

Institute of Applied Physics and Computational Mathematics

Journal of Matter and Radiation at Extremes

Peking University

Xi'an Jiaotong University

Collaborative Innovation Center of IFSA, SJTU

Xi'an Institute of Optics and Precision Mechanics, CAS

Shandong Society for Optical Engineering

Qingdao Society for Science and Technology

Sponsors:

Chinese High Energy Density Physics Society, Chinese Physics Society

Chinese Pulsed Power Society, Chinese Nuclear Society

Chinese Society on Computational Physics, Chinese Nuclear Society

National Natural Science Foundation of China

Science Challenge Program

Qingdao Society for Physics

Contact:

Prof. Zongqing ZHAO (+86-816-2497455, +86-816-2483833; mre-conf@caep.cn)

Prof. Weijin KONG (+86-532-85951877)

Registration Fee:

Regular: ¥4,000 RMB

Student: ¥2,500 RMB

Companion: ¥1,500 RMB

ICMRE2018 Agenda:

The ICMRE2018 will present 19 plenary talks and 4 parallel sessions for invited and oral talks. The conference will specially offer 4 satellite workshops on fluid interface instability at extreme, laser and plasma instabilities, laser fusion and science and advanced diagnostics technique for HEDP. The details of the plenary talk sessions, parallel oral sessions and poster session are listed in the Appendix A.

The guidelines for the oral talks and poster presentations are as following:

- Plenary talk: 40 min talk +5 min questions
- Invited talk: 20 min talk +5 min questions
- Oral presentation: 12 min talk +3 min questions
- Poster: Size of no larger than 90cm×120cm, printed by yourself.

	8:30-18:00	Satellite workshop on fluid interface instability at extreme
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May 6 th	14:00-18:00	Satellite workshop on laser and plasma instabilities
	14:00-20:00	Registration
	18:00-20:00	Welcome Reception
May 7 th	8:10-8:20	Opening Ceremony
	8:20-12:00	Plenary Talk
	14:00-18:10	Parallel Sessions
	20:00-21:00	MRE Editorial Board Meeting
May 8 th	8:00-12:00	Plenary Talk
	14:00-18:10	Parallel Sessions
	19:00-21:00	Satellite workshops on laser fusion and science
May 9 th	8:00-12:00	Plenary Talk
	14:00-18:10	Parallel Sessions
	19:00-21:00	Poster Session & Satellite workshop on joint-experiments plan and open policies of giant laser facilities
May 10 th	8:00-12:00	Plenary Talk
	14:00-18:00	Parallel Sessions & Satellite workshop on advanced diagnostics technique for HEDP
	18:30-20:30	Closing Ceremony, Banquet
May 11 th	8:30-18:30	Social Activities

This conference is supported by the journal Matter and Radiation at Extremes (MRE). MRE, published by CAEP, is committed to the publication of original research and comprehensive and in-depth review papers in all areas of experimental and theoretical physics on matter and radiation at extremes. It is a peer-reviewed, fully open-access, bimonthly journal deputed in 2016, with about 50 high standard articles published and

40,000 downloads worldwide by now. Learn more about MRE on its homepage: www.journals.elsevier.com/matter-and-radiation-at-extremes.

We are waiting for you sharing the beautiful scene of Qingdao in May! Come and join us in the fantastic beach party with Physics, Beer and Happiness!

Prof. Shao'en Jiang

On behalf of the Local Organizing Committee

Appendix A. List of the Plenary talks, Invited talks, Oral talks and Posters

Sunday May 6th											
8:30-18:00		Satellite workshop on fluid interface instability at extreme									
14:00-18:00		Satellite workshop on laser and plasma instabilities									
Monday May 7th											
8:10-8:20		Opening ceremony									
Plenary Talk	8:20-9:05	Jie Zhang	Chinese Academy of Science			Plenary Talk					
	9:05-9:50	Vladimir Fortov	Joint Institute for High Temperature, Russian Academy of Science			Plenary Talk: Quasi-adiabatic multi-shock compression of strongly coupled plasmas: nonideality and degeneracy					
	9:50-10:30	Group photo & Coffee Break									
	10:30-11:15	Ho-Kwang Mao	Center for High Pressure Science and Technology Advanced Research			Plenary Talk: Probing dense matter with extreme radiations					
	11:15-12:00	Victor Malka	Centre National de Larecherche Scientifique, France			Plenary Talk: Manipulating relativistic electrons with lasers					
I-1: Fundamental physics at extremes	Chair: Sergey Rykovanov		II-1 Pulsed power and application	Chair: Meng Wang		III-1: Laser and particle beam fusion,	Chair: Dieter H. H. Hoffmann		IV-1: Laser Plasma Interaction	Chair: Lihua Cao (曹莉华)	
	14:00-14:25	Masakatsu Murakami (invited speaker)		14:00-14:25	Bucur Novac (invited speaker)		14:00-14:25	Sean Regan (invited speaker)		14:00-14:25	Kunioki Mima (invited speaker)
	14:25-14:50	Haifeng Liu (刘海风) (invited speaker)		14:25-14:50	Xinxin Wang (invited speaker)		14:25-14:50	Stefano Atzeni (invited speaker)		14:25-14:50	Stefan Weber (invited speaker)

	14:50-15:05	Yongli Ping (平永利)		14:50-15:05	Liang Sheng (盛亮)	magnetic driven fusion	14:50-15:15	Alexander Golubev (invited speaker)		14:50-15:15	Vladimir Tikhonchuk (invited speaker)
	15:05-15:20	Yong Hou (侯勇)		15:05-15:20	Boyi Gong		15:15-15:30	Liang Guo (郭亮)		15:15-15:30	Yuchi Wu (吴玉迟)
	15:20-15:35	Jiangtao Li (李江涛)		15:20-15:35	Mo Li (李沫)		15:30-15:45	Hui Cao (曹辉)		15:30-15:45	Zhimeng Zhang (张智猛)
	15:35-15:50	Xiaofeng Li (李晓鋒)		15:35-15:50	Lifei Hou (侯立飞)		15:45-16:00	Bolun Chen (陈伯伦)		15:45-16:00	Dong Wu (吴栋)
	15:50-16:10	Coffee Break		15:50-16:10	Coffee Break		16:00-16:15	Coffee Break		16:00-16:15	Coffee Break
I-2: Fundamental physics at extremes	Chair: Haifeng Liu		II-2 Pulsed power and application	Chair: Sergey Lebedev		III-2: Laser and particle beam fusion, magnetic driven fusion	Chair: Stefano Atzeni		IV-2: Laser Plasma Interaction	Chair: Kunioki Mima	
	16:10-16:35	Xiaochuan Pan (invited speaker)		16:10-16:35	Kyle Peterson (invited speaker)		16:15-16:40	Shigeo Kawata (invited speaker)		16:15-16:40	John Marozas (invited speaker)
	16:35-17:00	Sergey Rykovanov (invited speaker)		16:35-17:00	Delong Xiao (invited speaker)		16:40-17:05	Dominik Kraus (invited speaker)		16:40-17:05	Björn Manuel Hegelich (invited speaker)
	17:00-17:15	Jianxing Li (栗建兴)		17:00-17:15	Shaolong Zhang		17:05-17:30	Zhimin Hu (胡智民) (invited speaker)		17:05-17:30	Yan Yin (银燕) (invited speaker)
	17:15-17:30	Bo Zhang (张博)		17:15-17:30	Liuxia Li		17:30-17:45	Shuai Zhang		17:30-17:45	Wenpeng Wang (王文鹏)
	17:30-17:45	Bo Han (韩波)		17:30-17:45	Yuji Wu (吴宇际)		17:45-18:00	Yongsheng Li (李永升)		17:45-18:00	Lihua Cao (曹莉华)
	17:45-18:00	Mu Li (李牧)		17:45-18:00	Ziyu Chen		18:00-18:15	Shaoyong Tu (涂绍勇)		18:00-18:15	Yue Yang (杨月)
	19:00-21:00	MRE Editorial Board Meeting									
Tuesday May 8th											
Plenary Talk	8:00-8:45	Michael Campbell	University of Rochester, USA			Plenary Talk: Laser-Plasma interaction physics and Direct Drive:Challenges,and Path Forward					

	8:45-9:30	Shaoping Zhu	Science and Technology on Plasma Physics Laboratory		Plenary Talk						
	9:30-10:15	Thomas Mattsson	Sandia National Laboratory		Plenary Talk: The Z Fundamental Science Program						
	10:15-10:30	Coffee Break									
	10:30-11:15	Weiping Xie	Institute of Fluid Physics, CAEP		Plenary Talk: Electromagnetically Driven Research in IFP-Progresses and Perspectives						
	11:15-12:00	Sergey Lebedev	Imperial College London		Plenary Talk: Z-pinch driven experiments with supersonic magnetized plasma flows						
	Chair: Per Jönsson			Chair: Huichun Wu			Chair: Chikang Li				
I-3: Fundamental physics at extremes	14:00-14:25	Ravindra Samtaney (invited speaker)	II-3 Pulsed power and application	14:00-14:25	Edl Schamiloglu (invited speaker)	III-3: Laser and particle beam fusion, magnetic driven fusion	14:00-14:25	Claude Deutsch (invited speaker)	IV-3: Laser Plasma Interaction	14:00-14:25	Yutong Li (李玉同) (invited speaker)
	14:25-14:50	Zhi Zeng (曾雉) (invited speaker)		14:25-14:50	Peitian Cong (丛培天) (invited speaker)		14:25-14:50	Yongtao Zhao (赵永涛) (invited speaker)		14:25-14:50	Gregory Vieux (invited speaker)
	14:50-15:05	Jun Li (李俊)		14:50-15:05	Yunsheng Jiang		14:50-15:15	Hideaki Habara (invited speaker)		14:50-15:15	Caterina Riconda (invited speaker)
	15:05-15:20	Ma Qian		15:05-15:20	Bing Teng (滕冰)		15:15-15:30	Bin He		15:15-15:30	Weimin Wang (王伟民)
	15:20-15:35	Genbai Chu (储根柏)		15:20-15:35	Wei Yang		15:30-15:45	Tao Gong (龚韬)		15:30-15:45	Jinqing Yu (余金清)
	15:35-15:50	Zhiyu He		15:35-15:50	Longfei Niu (牛龙飞)		15:45-16:00	Kaihong Fang (方开洪)		15:45-16:00	Li, Lu
	15:50-16:10	Coffee Break		15:50-16:10	Coffee Break		16:00-16:15	Coffee Break		16:00-16:15	Coffee Break
	Chair: Ravindra Samtaney			Chair: Linwen Zhang (章林文)			Chair: Yongtao Zhao (赵永涛)			Chair: Yutong Li (李玉同)	

Fundamental physics at extremes	I-4:	16:10-16:35	Per Jönsson (invited speaker)	II-4 Pulsed power and application	16:10-16:35	Victor F. Tarasenko (invited speaker)	III-4: Laser and particle beam fusion, magnetic driven fusion	16:15-16:40	Chikang Li (invited speaker)	IV-4: Laser Plasma Interaction	16:15-16:40	Dino A. Jaroszynski (invited speaker)
		16:35-17:00	Huayun Geng (耿华运) (invited speaker)		16:35-17:00	Meng Wang (invited speaker)		16:40-17:05	Zhurong Cao (曹柱荣) (invited speaker)		16:40-17:05	Stephan Neff (invited speaker)
		17:00-17:15	Meng Lv (吕蒙)		17:00-17:15	Fengju Sun		17:05-17:30	Hideo Nagatomo (invited speaker)		17:05-17:20	Feng Zhang (张锋)
		17:15-17:30	Xing Liu		17:15-17:30	Hanbing Jin (金晗冰)		17:30-17:45	Jingwei Wang (王精伟)		17:20-17:35	Mo, Chong-Jie
		17:30-17:45	Yindong Huang		17:30-17:45	Guiling Wang		17:45-18:00	Jian Wu (吴坚)		17:35-17:50	Rong Yang (杨容)
		17:45-18:00	Guicun Ma		17:45-18:00	Zhiqian Xu		18:00-18:15	Xing Wang		17:50-18:05	Xiaohui Zhang (张晓辉)

19:00-21:00

Satellite workshop on laser fusion and science

Wednesday May 9th

Plenary Talk	8:00-8:45	Wanguo Zheng	Laser Fusion Research Center, CAEP	Plenary Talk
	8:45-9:30	Kazuo A. Tanaka	Extreme Light Infrastructure	Plenary Talk: ELI-NP Status and Plan
	9:30-10:15	Hongwei Zhao	Institute of Modern Physics, CAS	Plenary Talk: Intense Heavy-ion Beam for High Energy Density Physics: Opportunities and Challenges
	10:15-10:30	Coffee Break		
	10:30-11:15	Jing Chen	Institute of Applied Physics and Computational Mathematics	Plenary Talk: Quantum Interference Effect in Atomic Double Ionization in Intense Laser Field
	11:15-12:00	Nicolas Sisourate	Sorbonne Université	Plenary Talk: Superexchange Interatomic Coulombic Decay

I-5: Fundamental physics at extremes	Chair: Vladimir Tikhonchuk		II-5 Dischage, laser and diagnostics	Chair: Peitian Cong (丛培天)		III-5: Laser and particle beam fusion, magnetic driven fusion	Chair: Feng Wang (王峰)		IV-5: Laser Plasma Interaction	Chair: Caterina Riconda	
	14:00-14:25	Qiang Zhang (invited speaker)		14:00-14:25	Huichun Wu (武慧春) (invited speaker)		14:00-14:25	Dieter H. H. Hoffmann (invited speaker)		14:00-14:25	Antonio C. Ting (invited speaker)
	14:25-14:50	Hyun-Kyung Chung (invited speaker)		14:25-14:50	Tatiana Pikuz (invited speaker)		14:25-14:50	Jochen Linke (invited speaker)		14:25-14:50	Bengt Eliasson (invited speaker)
	14:50-15:05	Yuanjie Huang (黄元杰)		14:50-15:05	Zhaoyun Zong (宗兆玉)		14:50-15:15	Wanli Shang (尚万里) (invited speaker)		14:50-15:15	Han Wen (invited speaker)
	15:05-15:20	Li Lei (雷力)		15:05-15:20	Kai Deng		15:15-15:30	Ping Wu (吴平)		15:15-15:30	Yaoyuan Liu (刘耀远)
	15:20-15:35	Hua Shu (舒桦)		15:20-15:35	Fang Wang (王芳)		15:30-15:45	Yunsong Dong (董云松)		15:30-15:45	Chen Lin (林晨)
	15:35-15:50	Weipeng Yao		15:35-15:50	Deyan Zhu (朱德燕)		15:45-16:00	Guanqiong Wang		15:45-16:00	Tongpu Yu (余同普)
19:00-21:00		Poster Session			Satellite workshop on joint-experiments plan and open policies of giant laser facilities						
Thursday May 10th											
Plenary Talk	8:30-9:15	Dimitri Batani	Univeristy of Bordeaux		Plenary Talk: Physics of Shock Ignition Approach to ICF						
	9:15-10:00	Qian Yue	Tsinghua University		Plenary Talk: Recent status and prospects of CJPL and dark matter experiments in China						
	10:00-10:15	Coffee Break									
	10:15-11:00	Praveen Ramaprabhu	The University of North Carolina at Charlotte		Plenary Talk: The Lives and Times of Ejecta from Shocked Metals						

	11:00-11:45	Ke Lan	Institute of Applied Physics and Computational Mathematics	Plenary Talk: Theoretical Study and Octahedral Spherical Hohlraum Experimental Campaign on the SG-III					
Satellite workshop on advanced diagnostics technique for HEDP									
I-6: Fundamental physics at extremes	Chair: Qiang Zhang			III-6: Laser and particle beam fusion, magnetic driven fusion	Chair: Javier Honrubia		IV-6: Laser Plasma Interaction	Chair: John Marozas	
	14:00-14:25	Predrag Krstic (invited speaker)			14:00-14:25	Jeremy Chittenden (invited speaker)		14:00-14:25	Robert Bingham (invited speaker)
	14:25-14:50	Martin Schanz (invited speaker)			14:25-14:50	Rafael Ramis (invited speaker)		14:25-14:50	Chuang Ren (invited speaker)
	14:50-15:15	DuckYoung Kim (invited speaker)			14:50-15:15	Yanyun Ma (invited speaker)		14:50-15:15	Zhichao Li (李志超) (invited speaker)
	15:15-15:30	Chang Gao			15:15-15:30	Yang Zhang		15:15-15:30	Yanqing Deng
	15:30-15:45	Yang Zhao (赵阳)			15:30-15:45	Yanjun Gu		15:30-15:45	Chengzhuo Xiao (肖成卓)
	15:45-16:00	Chengjun Li (李成军)			15:45-16:00	Tiankui Zhang (张天奎)		15:45-16:00	Jingxia Gong (公静霞)
	16:00-16:20	Coffee Break		16:00-16:15	Coffee Break		16:00-16:15	Coffee Break	
I-7: Fundamental physics at extremes	Chair: Predrag Krstic			III-7: Laser and particle beam fusion,	Chair: Rafael Ramis		IV-7: Laser Plasma Interaction	Chair: Robert Bingham	
	16:20-16:45	Sergey Pikuz (invited speaker)			16:15-16:40	Javier Honrubia (invited speaker)		16:15-16:40	Chuansheng Liu (invited speaker)
	16:45-17:10	Xiuguang Huang(黄秀光) (invited speaker)		16:40-17:05	Hongbo Cai (invited speaker)		16:40-17:05	Dong Yang (杨冬) (invited speaker)	

	17:10-17:25	Zhiguo Li		magnetic driven fusion	17:05-17:30	Cheng Ning (invited speaker)		17:05-17:20	Liang Hao (郝亮)
	17:25-17:40	Baoxian Tian (田宝贤)			17:30-17:45	Lu Zhang (张璐)		17:20-17:35	Jinlong Jiao (矫金龙)
	17:40-17:55	Wei Hong (洪伟)			17:45-18:00	Fuyuan Wu		17:35-17:50	Qing Wang (王清)
	17:55-18:10	Guo Jia (贾果)			18:00-18:15	Chao Tian (田超)		17:50-18:05	Kaiqiang Pan (潘凯强)
Monday May 11th									
8:30-18:30	Social Activities								

Satellite workshop on fluid interface instability at extreme

Sunday, 6 May, 2018 Room: TBD

Session Chair: Ke Lan

08:30-09:00 *Fluctuating Hydrodynamics Simulations of the Richtmyer-Meshkov Instability*

Ravi Samtaney

09:00-09:30 *On Converging Shock and Converging Richtmyer-Meshkov Instability*

Xisheng Luo

9:30-09:50 *Studies of High-Energy-Density Hydrodynamics at Laser Fusion Research Center*

Yudong Pu

09:50-10:10 Coffee break

Session Chair: Baolin Tian

10:10-10:40 *A nonlinear theory for spikes and bubbles at Richtmyer-Meshkov unstable interfaces with arbitrary density ratio*

Qiang Zhang

10:40-11:10 *Particle Jetting Instability*

Kun Xue

11:10-11:30 *Dynamical Behavior of the Richtmyer - Meshkov Instability-Induced Turbulent Mixing*

Tao Wang

11:30-11:50 *Self-generated Magnetic Field Induced by Richtmyer-Meshkov Instability in Inertial Confinement Fusion Plasmas*

Yaqun Yu

11:50-14:00 Break

Session Chair: Xisheng Luo

14:00-14:30 *Recent Advances in our Understanding of the Rayleigh-Taylor Instability*

Praveen Ramaprabhu

14:30-15:00 *Structure and Dynamics of Plasma Interfaces in Laser-Driven Hohlraums*

Chikang Li

15:00-15:20 *Dynamics Evolution of Chaotic Rayleigh-Taylor Bubble Fronts*

Yousheng Zhang

15:20-15:40 Coffee break

Session Chair: Kun Xue

15:40-16:10 *An Approximate Deconvolution-kinematic Simulation (AD-KS) Subgrid Scale Model for LES of Lagrangian Relative Dispersion*

Guodong Jin

16:10-16:30 *High Order Consistent Finite Difference Algorithm for multi-Material Interfacial Instabilities Problems under Extreme Conditions*

Zhiwei He

16:30-16:50 *High Order Numerical Simulation of Compressible Multi-Material Flows and Turbulent Mixing with CFD² Code*

Baolin Tian

Appendix B. Accommodation Information

Hotel reservation hotline:

Lvrong Yang: Mobile: 13795953233, Tel: 0816-2496300, Email:
860979545@qq.com

Rong Zhou: Mobile: 13989290095, Tel: 0816-2496090

Zhixin Hu: Mobile: 13096124320, Tel: 0816-2496100

Address of Qingdao Huiquan Dynasty Hotel:

Address: Nanhai Road No. 9, Qingdao city

Transportation:

From Qingdao Railway Station, about 4km and 10 minutes by taxi;

From Qingdao North Railway Station, about 20km and 30 minutes by taxi;

From Qingdao Airport, about 33km and 50 minutes by taxi;

It is also suggested to go to the hotel by the metro, and get off at the Huiquan Square Station of Metro Line 3. The hotel is about 500m in the south of the metro station, about 10 minutes by walk.

