

Pre-RGD32 Online Workshop on Recent Hot Topics in Rarefied Gas Dynamics

¹ KST/JST 22:00 (CST 21:00, IST 18:30) (7-8th) ² BST 14:00 (GMT 13:00, CEST 15:00) (7th) ³ PDT 06:00 (EDT 09:00) (7th)

<http://www.rgd32.org/preworkshop.asp>

Time	First Day Program (July 7-8 th , Wed-Thu)		
2200~22:10 ¹ 1400~14:10 ² 0600~06:10 ³	Opening & Announcement of Best Student Presentation I (ZOOM-1) (Chairs: R. S. Myong, <i>Gyeongsang National University</i> ; D. Bruno, <i>National Research Council</i> ; K. Xu, <i>Hong Kong University of Science and Technology</i> ; J. S. Wu, <i>National Chiao Tung University</i>)		
22:10~23:10 14:10~15:10 06:10~07:10	Invited Lecture I (ZOOM-1) The Saga of LBE's Quest for RGD Effects Li-Shi Luo, <i>Old Dominion University</i> (Chair: L. Mieussens, <i>Institut de Mathématiques de Bordeaux</i>)		
Break Time (10 mins)			
23:20~00:20 15:20~16:20 07:20~08:20	Boltzmann and Related Equations (ZOOM-1A) (Chair: S. Takata, <i>Kyoto University</i>)	Numerical Methods for Kinetic Equations (ZOOM-1B) (Chair: K. Xu, <i>HKUST</i>)	Gas-surface Interactions and Vacuum (ZOOM-1C) (Chair: E. Roohi, <i>Xi'an Jiaotong University</i>)
Break Time (10 mins)			
00:30~01:30 16:30~17:30 08:30~09:30	Lagrangian Methods for the BGK Model (ZOOM-1A) (Chair: S. B. Yun, <i>Sungkyunkwan University</i>)	Numerical Methods for Kinetic Equations and Multiphase Flows (ZOOM-1B) (Chair: V. Titarev, <i>Russian Academy of Sciences</i>)	Hypersonics: Theory and Simulation I (ZOOM-1C) (Chair: I. J. Wysong, <i>AFRL</i>)

¹ KST/JST 22:00 (CST 21:00, IST 18:30) (8-9th) ² BST 14:00 (GMT 13:00, CEST 15:00) (8th) ³ PDT 06:00 (EDT 09:00) (8th)

Time	Second Day Program (July 8-9 th , Thu-Fri)		
22:00-22:10 ¹ 14:00-14:10 ² 06:00-06:10 ³	Opening & Announcement of Best Student Presentation II (ZOOM-2) (Chairs: R. S. Myong, <i>Gyeongsang National University</i> ; D. Bruno, <i>National Research Council</i> ; K. Xu, <i>Hong Kong University of Science and Technology</i> ; J. S. Wu, <i>National Chiao Tung University</i>)		
22:10-23:10 14:10-15:10 06:10-07:10	Invited Lecture II (ZOOM-2) Laser Induced Plasma Dynamics: From Atomic and Molecular Spectra to Particle Formation Alessandro De Giacomo, <i>University of Bari</i> (Chair: D. Bruno, <i>National Research Council</i>)		
Break Time (10 mins)			
23:20-00:20 15:20-16:20 07:20-08:20	Kinetic Theory for Gases and Complex System (ZOOM-2A) (Chair: M. Torrilhon, <i>RWTH Aachen University</i>)	Space Propulsion and Molecular Beams (ZOOM-2B) (Chair: E. J. Jun, <i>Korea Advanced Institute of Science and Technology</i>)	Hypersonics: Theory and Simulation II (ZOOM-2C) (Chair: R. Kumar, <i>IIT Kanpur</i>)
Break Time (10 mins)			
00:30-01:40 16:30-17:40 08:30-09:40	Relativistic Kinetic Theory (ZOOM-2A) (Chair: L. Mieussens, <i>Institut de Mathématiques de Bordeaux</i>)	Plasma Flows (ZOOM-2B) (Chair: J. S. Wu, <i>National Chiao Tung University</i>)	Jets, Plumes and Surface Interaction in Space (ZOOM-2C) (Chair: K. Suzuki, <i>University of Tokyo</i>)

¹ KST/JST 08:00 (CST 07:00, IST 04:30) (10th) ² BST 00:00 (GMT 23:00, CEST 01:00) (9-10th) ³ PDT 16:00 (EDT 19:00) (9th)

Time	Third Day Program (July 9-10 th , Fri-Sat)		
08:00-08:10 ¹ 00:00-00:10 ² 16:00-16:10 ³	Opening & Announcement of Best Student Presentation III (ZOOM-3) (Chairs: R. S. Myong, <i>Gyeongsang National University</i> ; D. Bruno, <i>National Research Council</i> ; K. Xu, <i>Hong Kong University of Science and Technology</i> ; J. S. Wu, <i>National Chiao Tung University</i>)		
08:10-09:10 00:10-01:10 16:10-17:10	Invited Lecture III (ZOOM-3) Fluid Mechanics in Fight Against COVID19 Pandemic <i>Alina Alexeenko, Purdue University</i> (Chair: R. S. Myong, <i>Gyeongsang National University</i>)		
Break Time (10 mins)			
09:20-10:20 01:20-02:20 17:20-18:20	Data-driven & ML-based Mesoscale Modeling (ZOOM-3A) (Chair: T. K. Mankodi, <i>IIT Guwahati</i>)	Micro- & Nano-scale Flows and Heat Transfer I (ZOOM-3B) (Chair: Y. Zhang, <i>University of Edinburgh</i>)	Hypersonics: Experimental Methods (ZOOM-3C) (Chair: G. Park, <i>Korea Advanced Institute of Science and Technology</i>)
Break Time (10 mins)			
10:30-11:30 02:30-03:30 18:30-19:30	DSMC Methods (ZOOM-3A) (Chair: Y. A. Bondar, <i>ITAM</i>)	Micro- & Nano-scale Flows and Heat Transfer II (ZOOM-3B) (Chair: B. H. Kim, <i>University of Ulsan</i>)	Hypersonics: Vehicles (ZOOM-3C) (Chair: J. G. Kim, <i>Sejong University</i>)

Note: ZOOM-1, 2, 3 Will Be Open Throughout For Free Meeting.