



International Workshop on Cooling System for HTS Applications (IWC-HTS)

October 14-16, 2015
Matsue, Japan

Call for papers
(Second Circular)

Workshop HP:
[http://www.asl.kuee.kyoto-u.ac.jp
/index\(IWC-HTS\).html](http://www.asl.kuee.kyoto-u.ac.jp/index(IWC-HTS).html)

Contact us:
E-mail: iwc-hts@asl.kuee.kyoto-u.ac.jp



Cryogenics and Superconductivity
Society of Japan

Scope

On behalf of Cryogenics and Superconductivity Society of Japan, we are welcoming you to join this new workshop "International Workshop on Cooling-system for HTS applications" (IWC-HTS). The purpose of IWC-HTS is effective exchange of up-to-date technologies about optimal and ultimate combination of HTS applications and cooling systems. The cooling methods of HTS applications and state-of-the-art status of the cryocoolers are also covered in this workshop. We sincerely look forward to welcoming you to Matsue.

Workshop chairperson
Yasuharu KAMIOKA

Schedule

- October 14, (Wed)
*Opening, Oral Session, Poster Session
Welcome Reception*
- October 15, (Thu)
Oral Session, Excursion, Banquet
- October 16, (Fri)
Oral Session, Poster Session, Closing

Registration Rates

	(Through Jun. 15)	(After Jun 15)
(Regular)	35,000 JPY	40,000 JPY
(Student)	10,000 JPY	15,000 JPY
(Accompanying Person)	5,000 JPY	5,000 JPY
(Excursion)	2,000 JPY	2,000 JPY
(Exhibition)	150,000 JPY /booth	

Program

1. Fundamental Aspects of Heat Load in HTS Applications and Cryogenics
 - 1.1 DC Current Transport Property in HTS Materials and Conductors
 - 1.2 AC and Time-varying Behaviors of HTS materials and Conductors
 - 1.3 Thermal Property of HTS Conductors and Related Materials (SUS, FRP etc)
 - 1.4 Characterization Method of Heat Load and Thermal Property in HTS Systems
2. HTS Applications in View of Heat Load
 - 2.1 Large Scale- Power Applications
 - 2.2 Large Scale- Industrial Applications
 - 2.3 High Field Generation
 - 2.4 Electronics
 - 2.5 Other Applications
3. Cryogenic Structure and Heat Transfer
 - 3.1 Conduction Cooling Structure
 - 3.2 Liquid and Solid Cooling Structure
 - 3.3 Novel Cooling Structure and Method
 - 3.4 Fundamentals of Cryocooler Structure and Its Components
4. Cryogenic Cooling Systems for HTS Applications
 - 4.1 Large Capacity Cryocooler
 - 4.2 High Efficiency Cryocooler
 - 4.3 Long Maintenance Interval and Highly Stable Cooling System
 - 4.4 Low Noise and Vibration-free
 - 4.5 Liquid and Solid Cryogen Production
 - 4.6 Liquid Hydrogen Liquefaction

International Advisory Committee

- Prof. Marcel ter Brake
(Twente University, the Netherlands)
- Prof. Guesoo Cha
(Soonchunhyang University, Korea)
- Prof. Ho-Myung Chang
(Hong Ik University, Korea)
- Mr. Lutz Decker
(Linde Kryotechnik AG, Switzerland)
- Dr. Francesco Dioguardi
(Stirling Cryogenics, the Netherlands)
- Prof. Carlo Ferdeghini
(CNR - SPIN, Italy)
- Dr. Shuichiro Fuchino
(National Institute of Advanced Industrial Science and Technology (AIST), Japan)
- Prof. Ali Gencer
(Ankara University, Turkey)
- Mr. Fridolin Holdener
(WEKA AG, Switzerland)
- Prof. Sangkwon Jeong
(KAIST, Korea)
- Dr. Philippe Lebrun
(CERN, France)
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- Prof. Hiroyuki Ohsaki
(University of Tokyo, Japan)
- Prof. John Pfothenauer
(Wisconsin University, USA)
- Prof. Limin Qiu
(Zhejiang University, China)
- Dr. Gordon Reid
(Qdrive, USA)
- Dr. Kenichi Sato
(Cryogenics and Superconductivity Society of Japan (CSSJ), Japan)
- Prof. Steven W. Van Sciver
(Florida State University, USA)
- Dr. Masaru Tomita
(Railway Technical Research Institute, Japan)
- Prof. Fons De Waele
(Eindhoven University, the Netherlands)
- Dr. Hyung Suk Yang
(KEPRI, Korea)

Local Committee

- Yasuharu Kamioka (ColdTech Associates, Japan)
: Chairperson
- Takanobu Kiss (Kyushu University, Japan)
- Hiroshi Ueda (Osaka University, Japan)
- Tsuyoshi Wakuda (Hitachi, Ltd., Japan)
- Naoko Nakamura (MAYEKAWA MFG. Co., Ltd., Japan)
- Mingyao Xu (Sumitomo Heavy Industries, Ltd., Japan)
- Kazuya Matsuda (Hitachi, Ltd., Japan)
- Hirokazu Hirai (TAIYO NIPPON SANSO Corp., Japan)
- Taketsune Nakamura (Kyoto University, Japan)
: Conference Secretary
- Akiko Yamashita (Kyoto University, Japan)
: Secretary of local office

Important Days

- Abstract Submission Opens End of January, 2015
- Abstract Submission Deadline June 15, 2015
- Emailed Notification of Abstract Acceptance July 15, 2015
- Conference Registration Opens May 15, 2015
- Hotel Reservation Opens May 15, 2015
- Exhibit Registration Opens May 15, 2015
- Early Conference Registration Fee Deadline June 30, 2015
- Hotel Reservation Deadline September 20, 2015
- Manuscript Submission Site Opens to be announced
- Pre-Conference Registration Deadline September 30, 2015
- CONFERENCE October 14 - October 16, 2015
- Manuscript Submission Deadline to be announced

Venue

The IWC-HTS is planned to be held at Kunibiki Messe (Shimane Prefectural Convention Center), located at beautiful city Matsue, Japan.



Excursion

The workshop offers a half day excursion with lunch to visit beautiful historic and cultural sites on October 15, 2015. (Pre-registration required)

- Izumo Taisha (Izumo Grand Shrine)
- Shimane Museum of Ancient Izumo
- Sugaya Tataru Iron Making

For more information, please visit our website.
(<http://www.asl.kuee.kyoto-u.ac.jp/tour.html>)

