

Access



The Westin Miyako Kyoto
Keage, Sanjo, Higashiyama-ku,
Kyoto 605-0052, Japan
TEL. +81-75-771-7111

By Train

- From KYOTO Station - Approx. 15 min by subway (KARASUMA Line/TOZAI Line);
Get off at KEAGE Station on the subway TOZAI Line. The hotel is a 2 minute walk from the station.
- From YAMASHINA Station - Approx. 6 min by subway (TOZAI Line);
Get off at KEAGE Station on the subway TOZAI Line. The hotel is a 2 minute walk from the station.

Contact

ISMICS 2016 Winter Workshop Administration Office
Heart Organization, Co., Ltd.
1-1-5-2E, Maedaminami-machi, Toyohashi, Aichi 440-0851 Japan
TEL: +81-532-57-1276 FAX: +81-532-52-2883
E-mail: ismics_kyoto@heartorg.gr.jp



ISMICS 2016 WINTER WORKSHOP

October 28 [Fri.] - 29 [Sat.]

[Venue]

The Westin Miyako Kyoto, Japan

[Chairman]

Tohru Asai, MD

Shiga University of Medical Science

Secretariat

Department of Surgery,
Shiga University of Medical Science
Seta Tsukinowa-cho, Otsu, Shiga 520-2192, Japan

Administration Office

Heart Organization Co., Ltd.
1-1-5-2E, Maedaminami-machi, Toyohashi,
Aichi 440-0851, Japan
TEL: +81-532-57-1276 / FAX: +81-532-52-2883
E-mail: ismics_kyoto@heartorg.gr.jp

Update program

Greeting

Tohru Asai, MD

Chairman, ISMICS 2016 Winter Workshop
Shiga University of Medical Science



Evolution or Revolution? Our time has come!

It is my great pleasure to invite you to the ISMICS 2016 Winter Workshop in Kyoto, Japan. The symposium and workshop will be held at The Westin Miyako Kyoto on Friday, the 28th and Saturday, 29th of October 2016.

The program for this ISMICS workshop has been designed to offer you the foremost educational opportunities and hands-on sessions to enhance your skills and your understanding of the latest technologies. The scientific program will focus on the most advanced technologies, useful technical tips, and pitfalls. Cardiothoracic surgeons have faced overwhelming innovations and disruptive technologies in the past 20 years. We hope that the experience of this Kyoto ISMICS meeting will help you to take a real initiative and leadership role in future cardiothoracic therapeutics.

Kyoto is one of the most beautiful cities in Japan, and was the capital for 1000 years. Kyoto has preserved the traditions of Japanese culture while simultaneously adopting revolutionary innovation concepts throughout its history; "When West meets East, Traditions meets Innovation."

Directors

Chairman

Tohru Asai / Shiga University of Medical Science

Program Committee

Shunichi Kondo / Iwaki City General Iwaki Kyoritsu Hospital

Hiroyuki Nishi / Osaka Police Hospital

Kazuma Okamoto / Keio University

Taichi Sakaguchi / The Sakakibara Heart Institute of Okayama

Tomoaki Suzuki / Shiga University of Medical Science

Minoru Tabata / Tokyo Bay Urayasu / Ichikawa Medical Center

Motoshi Takao / Mie University

Course Directors

Hirokuni Arai / Tokyo Medical and Dental University

Toshiaki Ito / Japanese Red Cross Nagoya Daiichi Hospital

Tadasu Kohno / Toranomon Hospital

Toru Kuratani / Osaka University

Takashi Nitta / Nippon Medical School

Yoshiki Sawa / Osaka University

Shuichiro Takanashi / Sakakibara Heart Institute

Hitoshi Yaku / Kyoto Prefectural University of Medicine

General Information

Date : October 28[Fri.]-29[Sat.] **Venue** : Yamashiro-No-Ma, East Wing 2F, The Westin Miyako Kyoto, Japan

Upon your participation to ISMICS 2016 Winter Workshop, credit from The Japanese Board of Cardiovascular Surgery shall be provided.

Upon your participation to both "Minimally Invasive Lung Surgery" and "Minimally Invasive Mediastinal Surgery" sessions, credit from The Japanese Board of General Thoracic Surgery shall be provided.

Registration Fee <Pre-registration Deadline : September 30>

Category : Doctor, Medical Researcher, General Attendee, Senior Medical Intern Pre-registration / **20,000JPY** On-site Registration / **25,000JPY**

Category : Co-medical (Nurse, Clinical Engineer, etc.) Student, Junior Medical Intern Pre-registration / **3,000JPY** On-site Registration / **5,000JPY**

*1 Co-medical staff and Junior Medical Intern is required to bring a certificate or proof of the position.

*2 Student is required to bring the student ID or equivalent documents.

Program Highlights & Topics

Main Hall Program

	8:00	10:00	12:00	13:00	15:00	16:00	17:00	19:00
Day 1 October 28 (Fri.)	Coronary Revascularization	TAVI & MICS AVR	Luncheon Seminar	Aorta / TEVAR	Coffee Break Seminar	Cardiac Robotic	Challenging Case Presentation	Dinner Reception
Day 2 October 29 (Sat.)	Minimally Invasive Lung Surgery	Mediastinum	Luncheon Seminar	Mitral Valve MICS approach	Coffee Break Seminar	Emerging Innovations	Award Finalist Presentation	

Integrated Hands-on Courses

The world premiere "cutting edge" experiences are provided for thoracic and cardiovascular surgeons!

Top expert faculty surgeons will be happy to answer your questions and tutor you.

Off-Pump Coronary Bypass (OPCAB) dry lab bootcamp

~How Japanese CV surgeons brush up their skill of coronary anastomosis?~ Co-sponsored by : EBM Corporation

Venue : Shirakawa-No-Ma **Date & Time** : October 28 (Fri.) 9:00 -12:00

Seeking participants in Advanced Hands-on-session for Coronary Artery Bypass Simulator! Feedback and assessment will be provided by Japan's top surgeons! Would you like try out the Beating heart simulator "BEAT" and silicone vascular model YOU CAN, developed by bioengineering PhDs in Japan, at the Off-Pump Coronary Artery Bypass (OPCAB) dry lab? Following the example of the U.S., Japan now requires 30 hours of Off-the-Job training (Off-JT) when obtaining certification as a cardiovascular surgeon specialist as of May 2016. Off-JT includes Dry lab, Wet lab, and Animal lab. However, enhancement of the dry lab, which is the most common daily routine training method, is needed to train young people. Japan is an advanced country of OPCAB, where more than 60% CABG are performed by Off-pump. In this program, a Japan developed OPCAB dry lab is provided. This is an excellent opportunity to receive technical training on beating-heart coronary artery anastomosis, which is essential for cardiovascular surgeons, and receive feed-back and an evaluation from Japan's top surgeons. We welcome you to this exciting program in Kyoto, and seek to spread OPCAB to countries around the world. Let's meet in Kyoto!

The AVNeo OZAKI valve reconstruction Hands-on seminar (JOMDD: Japanese Organization for Medical Device Development, Inc.)

Venue : Yoshimizu-No-Ma **Date & Time** : October 28 (Fri.) 9:00 -12:00

The OZAKI AVNeo (Aortic Valve Neo-cuspidization) is the method of new surgical technique using patient's own pericardium that has been devised by Professor Shigeyuki Ozaki (Toho University, Ohashi Medical Center, Japan). The harvested pericardium is formed into three leaflets using Ozaki sizer and template (Ozaki VRec™) and the leaflets are sutured to valve annulus. Reconstructed aortic valve behaves as naturally as original valve with excellent hemodynamics and does not require anti-coagulant therapy. OZAKI VRec™ system was approved by Japanese PMDA and U.S. FDA in 2014. The hands-on will be a precious opportunity to use the actual device. This time Professor Ozaki himself will teach you how to perform the procedure (early registration recommended)! Please feel free to drop by and observe.

TAVI (Sapient) Hands on seminar for young surgeon Co-sponsored by : Edwards Lifesciences Corporation

Venue : Yoshimizu-No-Ma **Date & Time** : October 28 (Fri.) 13:00 -15:30

It has been 2 years since TAVI was introduced in Japan, and now it is one of the standard procedures for frail AS patients. In ISMICS2016 Winter Workshop, we hold the hands-on seminar for young surgeons who have little chance to practice TAVI because of various reasons. With this practical lecture and the training using the real device, let's deepen your understanding of TAVI. We wish a lot of surgeons who are interested in TAVI will join this great opportunity.

Hands-on Seminar for Butterfly Technique Mitral Valve Repair Co-sponsored by : Edwards Lifesciences Corporation

Venue : Shirakawa-No-Ma **Date & Time** : October 28 (Fri.) 13:30 -16:00

Butterfly technique is a less leaflet resection technique for mitral valve repair, consists of two triangular resections. Aim of this hands-on is to understand the important concept of newly developed "control height reduction" of the posterior leaflet, and each participant will actually design a butterfly resection and perform the mitral valve repair procedure in the excised porcine heart model. The innovator, Tohru Asai, MD, will teach participants to perform the Butterfly repair in detail step-by-step.

Perceval Sutureless Aortic Heart Valve (LivaNova)

Venue : Yoshimizu-No-Ma **Date & Time** : October 28 (Fri.) 16:00 -18:30

LivaNova's Perceval is a complete sutureless aortic valve that can reduce technical complexity and procedural time in both MICS and conventional AVR procedure. This biological valve has been mainly used in European countries and approved in U.S.. This valve is scheduled to be approved in Japan in the near future. This is the first time Hands-on training in Japan. Please feel free to drop in and observe at any time.

Hands-on for MICS MVP training systems

Venue : Yoshimizu-No-Ma **Date & Time** : October 29 (Sat.) 9:00-12:00

Simulations for MICS mitral valve repair is prepared in three settings , two dry-labs and one wet-lab including 3D-endoscopic setting. Participants rotates three tables and try all three systems during a three-hours course. This is a very precious chance to get a hands on education from MICS experts and to know effective training systems which can be affordable in a private situation.

Terumo's Beating Porcine Heart off-pump CABG Model Co-Sponsored by: TERUMO CORPORATION

Venue : Shirakawa-No-Ma **Date & Time** : October 29 (Sat.) 9:00-12:00

Terumo's Beating Porcine Heart system is a marvelous technology that realized a real OPCAB setting. We have never seen such a practical OPCAB system. The system makes its world debut in this ISMICS 2016 Winter Workshop in Kyoto. You will witness the amazing system firsthand in the autumn in Kyoto. We will welcome young trainees on Web who graduated within ten years or younger than 35 years old (born after 1981). Japan is the most advanced OPCAB country. Skillful Japanese OPCAB surgeon will teach you details one-on-one. Please register early on the Web.

Complete VATS Hands-on Seminar ~Conventional and Uniportal~ Co-sponsored by : Johnson&Johnson company

Venue : Shirakawa-No-Ma • Yoshimizu-No-Ma **Date & Time** : October 29 (Sat.) 13:00-16:00

Learn about the most recent advances in complete VATS lobectomy in this hands-on. It will provide participants hands-on experience of complete VATS lobectomy both through the conventional standard approach with an ex-vivo lung (Course director: Tadasu Kohno, M.D., Toranomon Hp.) and the recently emerging uniportal approach with a novel simulator model (Course director: Takashi Suda, M.D., Fujita Health Univ.). You can discuss the technical issues of these challenging procedures with superb experts who gave the lecture during the morning. Therefore, we recommend you to take part in this course as a team of a board certified thoracic surgeon and a thoracic resident or fellow who work together in daily practice.



Coronary Revascularization Coordinator Taichi Sakaguchi

Minimally invasive approaches to coronary revascularization have been developed with advancement in surgical technique and technology. Hybrid approach is also gaining more popularity. In this session, various approaches including off-pump coronary revascularization, small left thoracotomy, intraoperative graft assessment, and surgical training will be discussed.

- Chairs** **Bob B. Kiaii**/London Health Sciences Centre, Canada **Hirokuni Arai**/Tokyo Medical and Dental University
Masami Ochi/Nippon Medical School **Hitoshi Yaku**/Kyoto Prefectural University of Medicine

- Lecturers**
- ISMICS endoscopic conduit harvest consensus conference and statements
Francis Ferdinand/Albany Medical Center Hospital, USA
 - Intraoperative graft verification
Gabriele Di Giammarco/University G D'Annunzio-Chieti, Italy
 - Beginner's guide to MIDCAB surgery
Vipin Zamvar/Royal Infirmary of Edinburgh, UK
 - TBA
T. Bruce Ferguson Jr.
/East Carolina Heart Institute, East Carolina Diabetes and Obesity Institute, USA
 - Surgical results of off-pump MICS CABG under direct vision
Keita Kikuchi/Wuhan Asia Heart Hospital, China
 - Direct infusion method of diluted ICG with blood into the free graft using the SPY 3000
Masao Takahashi/Hiratsuka Kyosai Heart Center
 - Negative impact of prior percutaneous coronary intervention on graft flow and patency after coronary artery bypass grafting
Hiroyuki Nakajima/Saitama Medical University, International Medical Center
 - Training simulator of internal thoracic artery harvest by using 3D printing technology
Toshiyuki Yamada/National Hospital Organization Tokyo Medical Center
 - New dry-lab training model of endoscopic coronary anastomosis, as a step toward totally endoscopic coronary artery bypass
Kosuke Ujihira/Teine Keijinkai Hospital



TAVI & MICS AVR Coordinator Shunichi Kondo

In the field of aortic valve replacement, two approaches, Transcatheter Aortic Valve Implantation (TAVI) and Minimally Invasive Cardiac Surgery (MICS) have been progressing. In Japan, TAVI was introduced in 2013, and since then we have been accumulating some of the greatest case results in the world. The future direction of TAVI is interesting. The aortic valve reconstruction with pericardium and the introduction of sutureless valve will influence the future direction of Minimally Invasive Aortic Valve Replacement (MICS AVR). We would like to share meaningful time with specialists who have extensive experience in the forefront of aortic valve replacement.

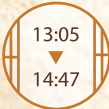
- Chairs** **Anson Cheung**/University of British Columbia, Canada **Shuichiro Takanashi**/Sakakibara Heart Institute
Jyunjiro Kobayashi/National Cerebral and Cardiovascular Center **Yoshihito Irie**/Iwaki City General Iwaki Kyoritsu Hospital

- Lecturers**
- TBA
Anson Cheung/University of British Columbia, Canada
 - TA-TAVI
Poul Erik Mortensen/Odense Universitets Hospital, Denmark
 - TAVR: Past, present, and future
Tom C. Nguyen
/The University of Texas Health Science Center at Houston Careers, USA
 - Aortic valve repair with bovine pericardium
Liang Tao/Wuhan Asia Heart Hospital, China
 - Real world transcatheter versus surgical aortic valve replacement. Early commercial experience in Japanese institutions.
Soh Hosoba/Toyohashi Heart Center
 - The largest real world minimally invasive experience with a sutureless valve; results from a multicentre international registry
Marco Solinas/G. Pasquiniucci Heart Hospital, Gabriele Monasterio Foundation, Italy



Luncheon Seminar Co-sponsored by : Medtronic Japan Co., Ltd.

- Chairs** **Kazuo Tanemoto**/Kawasaki Medical School **Yoshitaka Okamura**/Wakayama Medical University
- Lecturers**
- Ultra fast track minimally invasive cardiac surgery-possible the new standard of care
Bob B. Kiaii/London Health Sciences Centre, Canada
 - Robotic mitral valve repair: Advanced technical aspects
Didier F. Loulmet/NYU Langone Medical Center, USA



Aorta / TEVAR “Minimally invasive surgery in aortic Surgery” Coordinator Hiroyuki Nishi

The development of minimally invasive surgery in the field of aortic surgery in recent years is remarkable. The minimally invasive surgery made it possible to deal with more complex lesions by devising various approaches and procedures of Thoracic Endovascular Aortic Repair (TEVAR) that does not use cardiopulmonary bypass, and has been actively used in the type B aortic dissection. On the other hand, in regards to total aortic arch replacement using cardiopulmonary bypass, we have been pursuing a procedure with the aim of less invasiveness by using a small incision approach and open stent procedure. In this session, while comparing these various minimally invasive approaches and the usual total aortic arch replacement, we will clarify each advantage and disadvantage. Also, in order to develop the appropriate minimally invasive aortic surgery for the appropriate condition, we look forward to an active discussion.

- Chairs** **Kay-Hyun Park**/Seoul National University Bundang Hospital, Korea **Hiroyuki Tanaka**/Kurume University **Masaaki Kato**/Morinomiya Hospital

International session

- Frozen elephant trunk with E-vita stent-graft
Igor Rudez/Dubrava University Hospital, Croatia
- Minimal Access Aortic Surgery
Tristan D. Yan/Macquarie University Hospital, Australia
- Surgery for complications and failures of TEVAR
Kay-Hyun Park
/Seoul National University Bundang Hospital, Korea

Invited lecture

- TEVAR for type B aortic dissection
Masaaki Kato/Morinomiya Hospital
- Open surgery for aortic aneurysm
Toshihiro Fukui/Kumamoto University

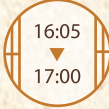
Oral presentation

- Total debranching TEVAR
Tomohiro Mizuno
/Tokyo Medical and Dental University, Graduate School of Medical and Dental Science
- Hybrid aortic arch repairs
Kiyofumi Morishita
/Hakodate Municipal Hospital



Coffee Break Seminar Co-sponsored by : Japan Lifeline Co., Ltd

- Chairs** **Takeo Tedoriya**/Ageo Central General Hospital **Takahiro Takemura**/Saku Central Hospital
- Lecturers**
- Perceval sutureless valves in Australia
Simon C. Moten
/Royal Melbourne Hospital, Australia
 - Perceval sutureless valves in Europe
Mattia Glauber
/Istituto Clinico Sant Ambrogio - Gruppo Ospedaliero San Donato, Italy



Cardiac Robotic Surgery Coordinator Tomoaki Suzuki

Robot has widened its ability in the medical field such as in urology, gynecology and thoracic surgery. However, it has not been widely used in the cardiac surgery. In this session, we will reveal the particular roles of Robot in the field of cardiac surgery.

- Chairs** **Didier F Loulmet**/NYU Langone Medical Center, USA **Tadashi Isomura**/Tokyo Heart Center
Minoru Ono/The University of Tokyo **Norihiko Ishikawa**/New Heart Watanabe Institute

- Lecturers**
- Robotic TECAB using anastomotic connectors: State of the art in 2016
Husam H Balkhy
/The University of Chicago Medicine & Biological Sciences, USA
 - Robotic totally endoscopic coronary bypass surgery for multivessel disease
Johannes Bonatti/Heart and Vascular Institute Cleveland Clinic Abu Dhabi, UAE
 - Current practice of ECMO and VAD
Michael S. Firstenberg/The Summa Health Care System, USA



Challenging Case Presentation Coordinator Kazuma Okamoto

Sharing new ideas and creative attempts to conquer challenging cases or lessons from tough experience is also very important task of ISMICS meeting. In “Challenging Case Presentation” session, energetic discussions focusing thoracic procedures, beating heart cardiovascular procedures and transcatheter techniques are going to be discussed. Those include seeds of emerging technology in the next era. Let’s join the hot discussions before a fantastic Kyoto night.

- Chairs** **Niv Ad**/Inova Heart and Vascular Institute, USA **Hitoshi Yokoyama**/Fukushima Medical University **Koichi Toda**/Osaka University

Thoracic Procedures

- Commentator** **Toshiya Otsuka**/Tokyo Metropolitan Tama Medical Center
- Lecturers**
- Free omental plombage using microvascular surgery for management of empyema cavity
Masaya Tamura/Kanazawa University
 - Total endoscopic left ventricular epicardial lead implantation
Yu Inaba/Saiseikai Yokohamashi Tobu Hospital

Beating Heart Cardiovascular Procedures

- Commentators** **Tom C. Nguyen**/The University of Texas Health Science Center at Houston Careers, USA
- Lecturers**
- Experience of emergency on-pump beating total aortic arch and descending aortic replacement for ruptured chronic type B aortic dissection with thoracoabdominal aortic aneurysm
Masahiko Ikebuchi/Chikamori Hospital
 - Beating heart minimally mitral valve surgery via right thoracotomy without aortic crossclamping in a patient with ischemic mitral regurgitation after CABG
Yujiro Kawai/Saku Central Hospital Advanced Care Center
 - Beating aortic valve replacement for aortic stenosis with severe left ventricular dysfunction
Kenji Iino/Kanazawa University

Transcatheter procedures

- Commentators** **Anson Cheung**/University of British Columbia, Canada
- Lecturers**
- Successfully treated non-occlusive mesenteric ischemia after transcatheter aortic valve replacement
Masahiko Noguchi/Tokyo Bay Urayasu Ichikawa Medical Center
 - A case of paraplegia after TAVI
Aiko Sato/University of Oita
 - Valve in valve aortic valve replacement with sutureless perceval S valve - a third treatment option besides surgical reoperation and TAVI
Daniel Chan/Queen Mary Hospital, Hong Kong
 - Transcatheter plug closure of mitral paravalvular leaks by transapical approach
Yoshiaki Katada/Iwaki Kyoritsu General Hospital



Dinner Reception



8:00
▼
10:45

Minimally Invasive Lung Surgery **Coordinator** Motoshi Takao

On behalf of the program committee, I am proud to recognize the fact that 9 didactic lectures in this session will be made. Invited speakers will give the latest information on target localization technique and principles and advanced techniques in complete VATS, which cover several approaches through standard multiport, single port and robot-assistance. You can share important tips and ideas in the minimally invasive pulmonary resection through the discussion with national and international experts. Furthermore, hands-on from this afternoon will interactively provide technical details in standard multi-port and single-port VATS lobectomies.

Chairs Hiroshi Date/Kyoto University Tadasu Kohno/Toranomon Hospital

Target Localization

- Lecturers**
- Hybrids, magnets and 3D. New developments in minimally invasive thoracic surgery
Calvin SH Ng/The Chinese University of Hong Kong, Hong Kong
 - Minimally invasive surgery for small GGN - localisation and intra-operative diagnosis
Young Tae Kim/Seoul National University Hospital, Korea
 - Virtual assisted lung mapping (VAL-MAP) for intra-operative localisation
Masaaki Sato/Tokyo University

Multiple Port VATS

- Lecturers**
- Complete VATS; Look-up settings
Toshiko Sato/Kyoto University
 - Complete VATS; Confronting upside-down settings
Mingyon Munn/Japanese Foundation for Cancer Research
 - Complex resection with complete VATS
Sakashi Fujimori/Toranomon Hospital

Reduced Port VATS

- Lecturers**
- Japanese experience
Kyoji Hirai/Nippon Medical School Chiba Hokusoh Hospital
 - Uniportal VATS surgery
Diego Gonzalez Rivas/Coruna University Hospital, Spain

Robot assisted lobectomy

- Lecturers**
- Advances in RATS for lung cancer
Hiroshige Nakamura/Tottori University

10:45
▼
12:00

Minimally Invasive Mediastinal Surgery **Coordinator** Motoshi Takao

The didactic lectures in this session cover all aspects of modern minimally invasive mediastinal surgery for neoplasm and myasthenia gravis. Four invited speakers will provide novel approaches, which include VATS, subxyphoid approach and robot-assisted, and expert techniques. Shall we discuss the technical aspects of the most challenging procedures with these experts and incorporate them into surgical practice? Upon the participation to both this and the previous sessions, credit from the Japanese Board of General Thoracic Surgery shall be provided.

Chairs Masayoshi Inoue/Kyoto Prefectural University of Medicine Takashi Suda/Fujita Health University School of Medicine

- Lecturers**
- VATS for thymectomy
Yasushi Shintani/Osaka University
 - Complex resection; VATS for mediastinal tumor
Takeshi Ikeda/Toranomon Hospital
 - Subxiphoid approach for thymectomy
Takashi Suda/Fujita Health University
 - RATS for mediastinum
Hiroshige Nakamura/Tottori University

12:00
▼
13:00

Luncheon Seminar **Co-sponsored by : Century Medical, Inc.**

Chairs Takashi Nitta/Nippon Medical School Taijiro Sueda/Hiroshima University

- Lecturers**
- Surgical ablation for atrial fibrillation 2016
Niv Ad/Inova Heart and Vascular Institute, USA
 - Minimally invasive AF surgery, wisdom from 13 years experience (2003-2016)
Randall Wolf
/Memorial Hermann Hospital, University of Texas Health Science Center - Houston Texas Medical Center, USA

13:00
▼
14:50

Mitral Valve, MICS approach
“Minimally invasive approaches and innovative techniques in mitral and tricuspid valve surgery” **Coordinator** Minoru Tabata

Innovations in technology and techniques considerably advance surgery. Also, small tips and ideas surgeons create in their daily practice contribute to steady progress in surgery. Highlighting such things as well as cutting-edge works is one of features of ISMICS Winter Workshop 2016. In this Mitral and Tricuspid session, we have four invited speakers and four selected abstracts, all of which are outstanding. We very much look forward to discussing and sharing many topics with all of you in beautiful Kyoto.

Chairs Mattia Glauber/Istituto Clinico Sant Ambrogio - Gruppo Ospedaliero San Donato, Italy Minoru Tabata/Tokyo Bay Urayasu / Ichikawa Medical Center
Hiroyuki Tsukui/Hokkaido Cardiovascular Hospital Ryohei Yozu/Keio University

- Lecturers**
- Building a minimally invasive valve program - from the ground up
Tom C. Nguyen
/The University of Texas Health Science Center at Houston Careers, USA
 - Simple repair techniques for complex mitral valve disease
Taweesak Chotivatanapong/Central Chest Institute of Thailand, Thailand
 - Endoscopic and robotic approach for minimally invasive mitral valve repair
Kuan-Ming Chiu/Far Eastern Memorial Hospital, Taiwan
 - Repair techniques for IE, complex tricuspid valve repair
Hiroki Yamaguchi/Showa University Koto Toyosu Hospital

Selected abstracts

- Lecturers**
- MICS vs conventional
Naonori Kawamoto/National Cerebral and Cardiovascular Center
 - Transax double valve
Masayoshi Tokoro/Japanese Red Cross Nagoya Daiichi Hospital
 - On-pump beating MVP
Eiki Nagaoka/Tokyo Medical and Dental University
 - Minimally invasive redo TV
Aikebaier Maimaiti/Fudan University, China
 - Totally endoscopic MVP
Xiangjun Zeng/Wuhan Asia Heart Hospital, China

15:00
▼
16:00

Coffee Break Seminar **Co-sponsored by : St. Jude Medical Japan Co., Ltd.**

Chairs Hiroshi Niinami/Saitama Medical University International Medical Center Toshiaki Ito/Japanese Red Cross Nagoya Daiichi Hospital

- Lecturers**
- Implantation Techniques and Results at MICS with Trifecta GT
Marc P. Sakwa/William Beaumont Health System, USA
 - Transcatheter Aortic Valve Replacement and SJM Trifecta GT Experience
Anson Cheung/University of British Columbia, Canada

16:05
▼
17:05

Emerging Innovations **Coordinator** Tomoaki Suzuki

Four world famous surgeons will present special innovative techniques and devices for minimum invasive cardiac surgery. They will present front-line technique and technology for cardiac surgery that most surgeons don't know.

Chairs Paul Grundeman/University Medical Center Utrecht, The Netherlands Hirofumi Takemura/Kanazawa University
Tomoki Shimokawa/Teikyo University Tadashi Tashiro/Fukuoka University

- Lecturers**
- Ultrastrong polymeric heart valve
Paul Grundeman/University Medical Center Utrecht, The Netherlands
 - Infrared coagulator to treat atrial fibrillation, infectious endocarditis and cardiac tumors
Hiroshi Kubota/Kyorin University
 - LA appendage closure
Piotr Suwalski/Central Teaching Hospital of the Ministry of the Interior, Poland
 - TBA
Toshiya Otsuka/Tokyo Metropolitan Tama Medical Center

17:10
▼
17:50

Award Finalist Presentation

This is the young investigators' award session. The program committee will select five great presentations from the E-Poster presenters who are younger than 40 years old. After they present their works again in this session, the program committee will evaluate and give one best and 4 excellent awards. This is the final session of ISMICS 2016 Winter Workshop.

Chairs Tohru Asai/Shiga University of Medical Science Takashi Nitta/Nippon Medical School Motoshi Takao/Mie University

