

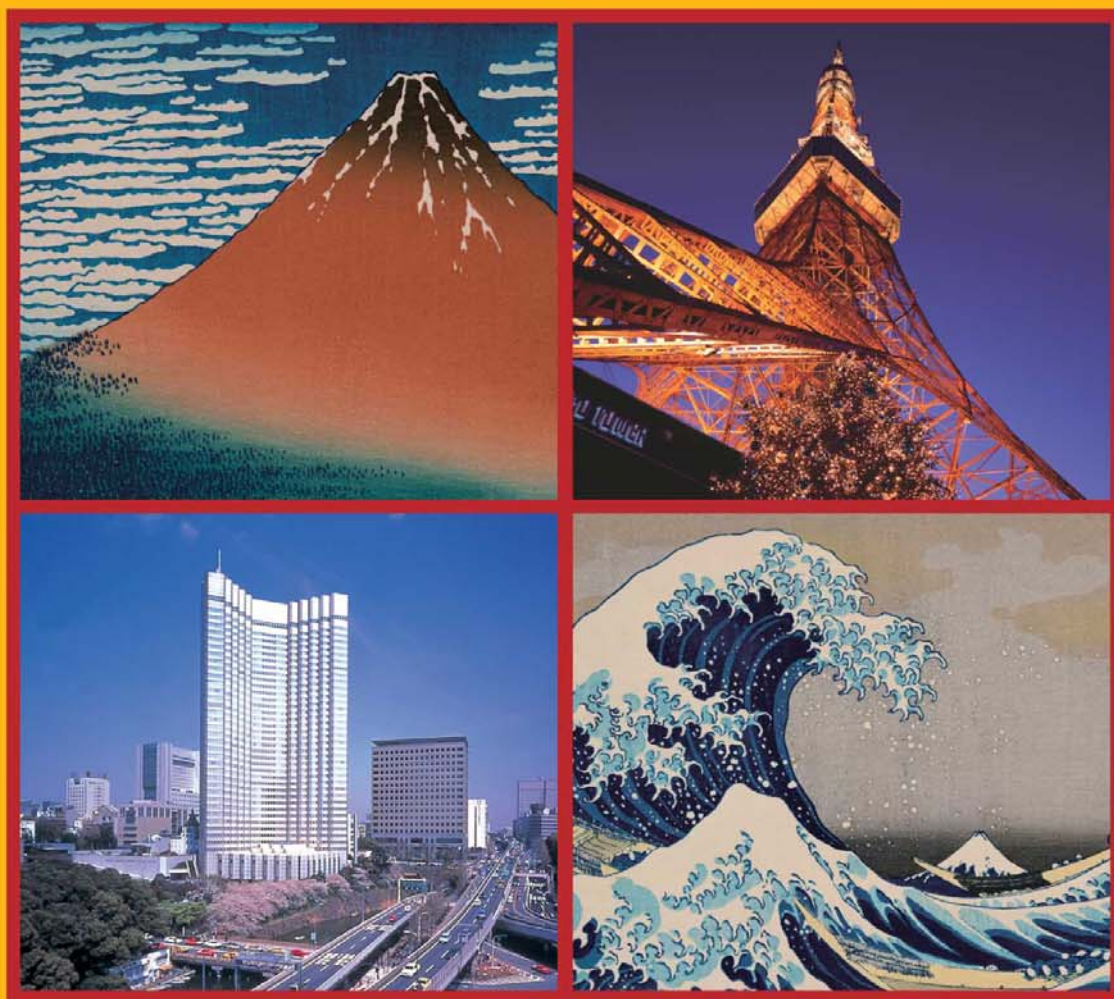
The 2nd Asia-Pacific Atrial Fibrillation Symposium



# APAFS2006

November 23 -25, 2006  
Akasaka Prince Hotel, Tokyo Japan

## Program



<http://www.apafs06.umin.jp>

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# Welcome Message

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Dear Friends and Colleagues

On behalf of the Organizing Committee of the 2nd Asia-Pacific Atrial Fibrillation Symposium (APAFS2006), I heartily welcome all the participants to this Symposium and to our beautiful city, Tokyo.

Atrial fibrillation (AF) has the highest incidence among cardiac arrhythmias that give rise to various symptoms, cardiovascular complications, and impaired quality of life and mortality. With the rapid progress in scientific, technological and clinical fields in recent years, AF regains new interests attracting many physicians and researchers to clarify its genesis, diagnostic and therapeutic strategies, and prevention of AF. Special attention has been paid to the introduction and the progress of a catheter ablation procedure for the treatment of this intractable arrhythmia, together with related technological development. The concept and drug treatment of choice have been modified based on newly accumulated evidence and/or development of new drugs including prevention of thrombo-embolism. Surgical treatment of AF is another advancing field in recent years.

In response to the increased interest and high demand for exchanges of the latest information on basic and clinical problems related to AF among cardiologists and scientists in the Asian Pacific region, the 1st Asia-Pacific Atrial Fibrillation Symposium (APAFS2005) was held in Seoul, Korea, in December 2005, which attracted over 600 participants and greatly helped to share new and practical information on this topic. Based on the success of the Seoul Symposium (APAFS2005) and enthusiasm for conquering AF, we wish to expand and distribute our knowledge and on-going research developments to cardiologists, practicing physicians and scientists interested in AF in the Asian Pacific region.

In this Symposium, APAFS2006, we provide wide variety of scientific program and technical exhibition related to AF study and clinical practice. We will discuss new developments and latest information on the genesis of AF from the molecular level to patients, different diagnostic approaches, evidence for medical management including choice of drugs and prevention of thrombo-embolism, catheter ablation procedures and technical aspects and associated devices, surgical treatment of AF and so on. The Symposium will feature lively discussion and the latest advances in all areas of AF and related conditions from basic science to clinical electrophysiology.

Tokyo, the site of the 2nd Asia-Pacific Atrial Fibrillation Symposium (APAFS2006), is the biggest and most modern city in Japan with fascinating architecture both old and new, beautiful scenery and cultural attractions. Here, you can enjoy the spirit of both old and modern Japan as well as fruitful exchanges of scientific information and the building of new friendships.

***Masayasu HIRAOKA, MD.***  
*President of APAFS2006*

# Organization

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## Organizing Committee

<i>President :</i>	Masayasu Hiraoka (Japan)
<i>Honorary Presidents :</i>	Hirokazu Hayakawa (Japan) Sung Soon Kim (Korea)
<i>Course Directors :</i>	Yoshito Iesaka (Japan) Shih-Ann Chen (Taiwan)
<i>Course Co-Director :</i>	Yoshinori Kobayashi (Japan)

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Shigeto Naito	Mitsuhiro Nishizaki	Akihiko Nogami
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Toshiyuki Osaka	Harumizu Sakurada	Akihiko Shimizu
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Katsusuke Yano	Kazutaka Aonuma	Akira Fujiki
Keitaro Hashimoto	Kenzo Hirao	Osamu Igawa
Katsuhiko Imai	Toshiyuki Ishikawa	Makoto Ito
Hiroshi Kasanuki	Yoshinori Kobayashi	Takashi Komatsu
Yoshio Kosakai	Toru Maruyama	Hideo Mitamura
Yuji Murakawa	Yuji Nakazato	Shinichi Niwano
Toru Ohe	Yuji Okuyama	Tetsunori Saikawa
Masayuki Sakurai	Morio Shoda	Kaoru Sugi
Naohiko Takahashi	Shigeo Tanaka	Yuichi Ueda
Iwao Yamaguchi	Takeshi Yamashita	Akihiro Yoshida

# Program at a Glance

November 23 (Thu.)		November 24 (Fri.)	
2 F		2 F	
Hall A (Toukou/Kouun/Kougyoku)	Hall B (Shiun/Aoba)	Hall A (Toukou/Kouun/Kougyoku)	
7:30		7:30	Morning Lecture I <b>Overview of AF ablation</b>
8:00	Registration hours: November 23 (Thu.) 14:00 - 20:30 November 24 (Fri.) 7:00 - 19:00 November 25 (Sat.) 7:00 - 17:00	8:00	Symposium I <b>Drug treatment of AF: Rate vs. rhythm control and beyond</b>
9:00		9:00	Live and Video Demonstration <b>Preferred method at each institution</b>
10:00		10:00	
11:00		11:00	Luncheon Seminar I <b>Implantable device therapy for AF</b>
12:00		12:00	Live and Video Demonstration <b>Preferred method at each institution</b>
13:00	13:00		
14:00		14:00	
15:00		15:00	
16:00	Primary Education Course	16:00	
17:00		17:00	How to Session I <b>SVC isolation and its safety</b>
18:00	Present Report as to AF treatment from Asian Countries	18:00	Fireside Symposium I <b>EnSite mapping and NavX system applied for AF ablation</b>
19:00	President Lecture	19:00	
20:00	Welcome Reception		

November 24 (Fri.)				My Schedule	
2 F		1 F			
Hall B (Shiun/Aoba)		Hall C (Konjou)	Hall D Room F (Shinryoku Benibana)	Hall E Room G (Sekiei Koubai)	
7:30	Morning Lecture II <b>Drug treatment of AF</b>				
8:00	Case Discussion <b>Successful ablation cases with various origins of AF triggers and mechanisms</b>				
9:00			Exhibition	Poster	
10:00	Panel Discussion I <b>Frontier of surgical treatment of AF: Surgeon can lead AF treatment again?</b>				
11:00					
12:00	Panel Discussion II <b>Mechanism and management of atrial fibrillation in Brugada syndrome</b>				
13:00	Luncheon Seminar II <b>Remote navigation technology for AF ablation</b>	Luncheon Seminar III <b>Angiotensin (AT<sub>1</sub>) receptor and atrial fibrillation</b>			
14:00	Symposium II <b>Potential role in the development and maintenance of AF</b>				
15:00					
16:00					Chaired Poster Presentation 1・2
17:00	Mini-Symposium <b>New topics in pharmacotherapy of AF: Is upstream approach effective for treating clinical AF?</b>	Evening Lecture <b>Surgical treatment of AF: History and advancement</b>			Poster
18:00					
19:00	Fireside Symposium II <b>New guidance and technology for AF ablation</b>				

**November 25 (Sat.)**

**2 F**

	<b>Hall A</b> (Toukou/Kouun/Kougyoku)	<b>Hall B</b> (Shiun/Aoba)
7:00		
7:30		
8:00	How to Session III <b>How to detect and ablate the ligament of Marshall (LOM) focus</b>	Panel Discussion III <b>Prevention, detection and managements of complication of AF-ablation</b>
9:00	Symposium III <b>New insights into chronic AF (CAF)</b>	Debate I <b>AF ablation is indicated for asymptomatic paroxysmal AF</b>
10:00		
11:00		
12:00	Symposium IV <b>What is the mechanism for initiation and perpetuation of AF ?</b>	Debate II <b>Ablate and BiV pacing is superior to curative AF ablation in CAF with heart failure</b> Debate III <b>Aggressive ablation strategy is crucial for cure of persistent and permanent AF</b>
13:00	Luncheon Seminar IV <b>Ablate and bi-ventricular pacing therapy (ABiVPT) for CAF with heart failure</b>	Luncheon Seminar V <b>Basic and clinical assessment of bepridil</b>
14:00	Symposium V <b>Insights into complex fractionated electrogram (CFAE)</b>	Panel Discussion IV <b>Selection and exclusion of the patients for AF ablation</b>
15:00	Afternoon Tea Symposium I <b>Current and future application of CARTO mapping system for AF ablation</b>	Afternoon Tea Symposium II <b>Balloon technology for AF ablation: Scientific basis and updated clinical application</b>
16:00		
17:00	Symposium VI <b>Treatment of AF in heart failure</b>	
18:00		
19:00	Gala Dinner	
20:00		

November 25 (Sat.)				My Schedule
1 F				
	Hall C (Konjou)	Hall D / Room F (Shinyoku / Benibana)	Hall E (Sekiei)	Room G (Koubai)
7:00				
7:30				
8:00				
9:00		Exhibition	Poster	Poster
10:00	Oral Award Presentation		Chaired Poster Presentation 3	Poster Award Presentation
11:00	Oral Presentation			
12:00				
13:00			Poster	Poster
14:00				
15:00				
16:00				
17:00				
18:00				

15:30 - 18:00 **Primary Education Course**

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Moderators: *Young-Hoon Kim* (Seoul, Korea), *Kenzo Hirao* (Tokyo, Japan)

15:30 - 15:45

**I. Video presentation of extensive encircling PV isolation using 2 circular catheters technique**

*Atsushi Takahashi* (Yokosuka, Japan)

**II. Lectures**

15:45 - 16:10

**1. Patient care and evaluation prior to ablation**

- 3D CT of PV/LA
- Trans-thoracic / esophageal echocardiogram

*Naoya Tsuboi* (Nagoya, Japan)

*Youichi Kobayashi* (Tokyo, Japan)

16:10 - 17:20

**2. Ablation procedure**

- Trans-septal puncture
- Heparinization and prevention of thromboembolism

*Razali Omar* (Kuala Lumpur, Malaysia)

- PV angiogram and esophagogram
- Arrhythmogenic PV mapping

*Teiichi Yamane* (Tokyo, Japan)

- Internal low-energy cardioversion
- Point-by-point ablation following line design for PV disconnection

*Masahiko Goya* (Kitakyushu, Japan)

- 3D mapping of LA and PV ostium
- Detection and ablation of non-PV foci

*Shigeto Naito* (Maebashi, Japan)

17:20 - 18:00

**3. Follow-up post ablation**

- Anticoagulation therapy with warfarin
- Decision-making of repeated session of AF ablation
- Follow-up 3D CT and echocardiogram

*Ming-Hsiung Hsieh* (Taipei, Taiwan)

*Kazuhiro Satomi* (Hamburg, Germany)

*Satoru Sakagami* (Kanazawa, Japan)

Educationally granted by **St. Jude Medical**

20:00 - 21:30 **Welcome Reception**

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18:00 - 19:30 **Present Report as to AF treatment from Asian Countries**

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Moderators: **Masayasu Hiraoka** (Tokyo, Japan), **Sung Soon Kim** (Seoul, Korea)

Panelists: **Jiunn-Lee Lin** (Taipei, Taiwan)

**Cong-Xin Huang** (Wuhan, China)

**Young-Hoon Kim** (Seoul, Korea)

**Muhammad Munawar** (Jakarta, Indonesia)

**Wee Siong Teo** (Mistri Wing, Singapore)

**Mohan Nair** (New Delhi, India)

**Yoshinori Kobayashi** (Tokyo, Japan)

19:30 - 20:00 **President Lecture**

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Moderator: **Shin-Ann Chen** (Taipei, Taiwan)

**Japanese contribution to the pathophysiological clarification of atrial fibrillation**

President of APAFS2006 **Masayasu Hiraoka**

7:30 - 8:00 **Morning Lecture I**

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Moderator: *Akihiko Nogami* (Yokohama, Japan)

## Overview of AF ablation

1. Atrial tachycardia common in AF patients: Its mechanism and treatment

*Jonathan Kalman* (Melbourne, Australia)

2. Atrial tachycardia after AF ablation: Its mechanism and treatment

*Hakan Oral* (Michigan, USA)

8:00 - 9:30 **Symposium I**

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Moderators: *Sung Soon Kim* (Seoul, Korea), *Hiroshi Inoue* (Toyama, Japan)

## Drug treatment of AF: Rate vs. rhythm control and beyond

1. Lessons from the AFFIRM trial

*D. George Wyse* (Calgary, Canada)

2. Rate or rhythm control: How to tailor therapy for the individual patient

*Isabelle Van Gelder* (Groningen, The Netherlands)

3. Lessons from J-RHYTHM:

An interim report from the Japanese Society of Electrocardiology

*Satoshi Ogawa* (Tokyo, Japan)

9:30 - 12:30  
13:30 - 17:00

## Live and Video Demonstration

Moderators: **Shih-Ann Chen** (Taipei, Taiwan), **Hans Kottkamp** (Leipzig, Germany)

### Preferred method at each institution

#### Live demonstration for paroxysmal and chronic AF

##### Tsuchiura Kyodo Hospital

- **Yoshito Iesaka** (Tsuchiura, Japan)
- **Kikuya Uno** (Tsuchiura, Japan)
- **Yasutoshi Nagata** (Tsuchiura, Japan)
- **Kiyoshi Otomo** (Tsuchiura, Japan)

##### Urasoe General Hospital

- **Shih-Ann Chen** (Taipei, Taiwan)
- **Yenn-Jiang Lin** (Taipei, Taiwan)
- **Satoshi Higa** (Okinawa, Japan)
- **Sugako Ishigaki** (Okinawa, Japan)

#### Ablation video demonstration

1. **Young-Hoon Kim** (Seoul, Korea)
2. **Hakan Oral** (Michigan, USA)
3. **Koonlawee Nademanee** (California, USA)
4. **Karl-Heinz Kuck** (Hamburg, Germany)
5. **Mohan Nair** (New Delhi, India)
6. **Pierre Jais** (Bordeaux, France)
7. **Carlo Pappone** (Milan, Italy)
8. **Andrea Natale** (Ohio, USA)

Supported by **St. Jude Medical** and **Johnson & Johnson**

12:30 - 13:20 **Luncheon Seminar I**

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Moderator: *Toshiyuki Ishikawa* (Yokohama, Japan)

**Implantable device therapy for AF**

1. Impact of special pacing site and pacing modality on suppression of AF  
*Chu-Pak Lau* (Hong Kong, China)
  2. Role of implantable atrial defibrillator for atrial fibrillation  
*Chun-Chieh Wang* (Taipei, Taiwan)
  3. Role of devices for atrial fibrillation  
*Hung-Fat Tse* (Hong Kong, China)
- Sponsored by **St. Jude Medical**

17:00 - 18:00 **How to Session I**

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Moderator: *You-Ho Kim* (Seoul, Korea)

**SVC isolation and its safety**

1. Structures of arrhythmogenic SVC detected by MRI and MDCT  
*Hsuan-Ming Tsao* (Taipei, Taiwan)
2. Isolation of the superior vena cava  
*Nassir Marrouche* (Utah, USA)
3. EnSite guided superior vena cava isolation in atrial fibrillation ablation: Technique and results  
*Hui-Nam Pak* (Seoul, Korea)

18:00 - 19:20 **Fireside Symposium I**

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Moderator: **Shih-Ann Chen** (Taipei, Taiwan)

**EnSite mapping and NavX system applied for AF ablation**

1. 3D Non-contact mapping of atrial fibrillation: Implication for catheter ablation

*Ching-Tai Tai* (Taipei, Taiwan)

2. PV isolation and LA substrate ablation using NavX

*Young-Hoon Kim* (Seoul, Korea)

3. New application of NavX system

*Vivek Reddy* (Massachusetts, USA)

Sponsored by **St. Jude Medical**

7:30 - 8:00 **Morning Lecture II**

Moderator: **Mau-Song Chang** (Taipei, Taiwan)

## Drug treatment of AF

Drug treatment of paroxysmal and persistent atrial fibrillation: Efficacy and clinical significance

**Ken Okumura** (Hirosaki, Japan)

Sponsored by **Astellas Pharma** and **Toa Eiyo**

8:00 - 9:00 **Case Discussion**

Moderators: **Kwok Keung Chan** (Hong Kong, China), **Kenzo Hirao** (Tokyo, Japan)

## Successful ablation cases with various origins of AF triggers and mechanisms

Panelists: **Shih-Huang Lee** (Taipei, Taiwan), **Razali Omar** (Kuala Lumpur, Malaysia),  
**Shigeto Naito** (Maebashi, Japan), **Mitsuhiro Nishizaki** (Yokohama, Japan),  
**Yanzong Yang** (Dalian, China)

### Cases

1. LA free-wall origin AF

**Dong-Gu Shin** (Daegu, Korea)

2. SVC origin AF

**Shinobu Imai** (Tokyo, Japan)

3. CS origin AF

**Yanzong Yang** (Dalian, China)

4. RA origin AF

**Tsu-Juey Wu** (Taichung, Taiwan)

5. Focal AF in young

**Hung-Fat Tse** (Hong Kong, China)

6. Swallowing-induced atrial fibrillation

**Hiroshi Tada** (Maebashi, Japan)

9:30 - 11:30 **Panel Discussion I**

---

Moderators: *Yoshio Kosakai* (Takarazuka, Japan), *Takuro Misaki* (Toyama, Japan)

## Frontier of surgical treatment of AF: Surgeon can lead AF treatment again?

Panelists: *Masashi Komeda* (Kyoto, Japan), *Junjiro Kobayashi* (Osaka, Japan)

*Jean Ninet* (Lyon, France), *Jen-Ping Chang* (Kaohsiung, Taiwan)

*Chu-Pak Lau* (Hong Kong, China), *Nassir Marrouche* (Utah, USA)

*Jonathan Kalman* (Melbourne, Australia)

11:30 - 12:30 **Panel Discussion II**

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Moderator: *Toru Ohe* (Okayama, Japan)

## Mechanism and management of atrial fibrillation in Brugada syndrome

Panelists: *Kengo Kusano* (Okayama, Japan), *Yuka Mizusawa* (Tokyo, Japan)

*Jiunn-Lee Lin* (Taipei, Taiwan)

12:30 - 13:20 **Luncheon Seminar II**

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Moderator: *Karl-Heinz Kuck* (Hamburg, Germany)

## Remote navigation technology for AF ablation

### 1. Stereotaxis: Its benefits and limitations for ablation

*Andrea Natale* (Ohio, USA)

### 2. Remote magnetic catheter navigation for circumferential PV ablation

*Carlo Pappone* (Milan, Italy)

Sponsored by **Stereotaxis**

13:30 - 15:00 **Symposium II**

Moderators: *Itsuo Kodama* (Nagoya, Japan), *Chi-Tai Kuo* (Taipei, Taiwan)

**Potential role in the development and maintenance of AF**

1. The role of calcium current in pulmonary vein arrhythmogenesis

*Yi-Jen Chen* (Taipei, Taiwan)

2. A novel potassium current: Potential role in the development of AF

*Tae-Joon Cha* (Busan, Korea)

3. Genetic predisposition to the development of atrial fibrillation

*Yoshiyasu Aizawa* (New York, USA)

4. Endocardial remodeling by atrial fibrillation

*Takeshi Yamashita* (Tokyo, Japan)

5. Inflammation, oxidative stress, and AF: Mechanistic roles and novel therapeutic approaches

*Akiko Shiroshita-Takeshita* (Montreal, Canada)

16:00 - 17:00 **Mini-Symposium**

Moderator: *Takeshi Yamashita* (Tokyo, Japan)

**New topics in pharmacotherapy of AF: Is upstream approach effective for treating clinical AF?**

1. Role of renin-angiotensin system blockers in AF patients

From Basic Viewpoint

*Yi-Jen Chen* (Taipei, Taiwan)

From Clinical Viewpoint

*Yoshiyuki Hirayama* (Tokyo, Japan)

2. Role of statins in AF patients

From Basic Viewpoint

*Koichiro Kumagai* (Fukuoka, Japan)

From Clinical Viewpoint

*Makoto Suzuki* (Chiba, Japan)

17:00 - 17:40 **How to Session II**

Moderator: **Takashi Kurita** (Osaka, Japan)

**Management of AF in device-implanted patients**

1. How to relieve AF burden in CRT/CRT-D patient

**Razali Omar** (Kuala Lumpur, Malaysia)

2. How to prevent inappropriate shocks due to atrial fibrillation/tachycardia in patients with ICD

**Hung-Fat Tse** (Hong Kong, China)

Sponsored by **Medtronic**

18:00 - 19:20 **Fireside Symposium II**

Moderator: **Kaoru Okishige** (Yokohama, Japan)

**New guidance and technology for AF ablation**

1. Technical aspects of energy and catheter selection for safe and effective ablation

**Nassir Marrouche** (Utah, USA)

2. Progress of GP ablation in AF treatment

**Hiroshi Nakagawa** (Oklahoma, USA)

3. The Cleveland Clinic approach: Circular mapping catheter-guided pulmonary vein antrum isolation

**Andrea Natale** (Ohio, USA)

4. Real time MRI guided AF ablation

**Henry Halperin** (Maryland, USA)

5. Ablation of atypical atrial flutter after AF ablation using 3D mapping approaches

**Mark McGuire** (Sydney, Australia)

Sponsored by **St. Jude Medical**

12:30 - 13:20 **Luncheon Seminar III**

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Moderator: *Itsuo Kodama* (Nagoya, Japan)

**Angiotensin (AT<sub>1</sub>) receptor and atrial fibrillation**

*Minoru Horie* (Shiga, Japan)

Sponsored by **Novartis Pharma**

16:15 - 17:00 **Evening Lecture**

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Moderator: *Fumitaka Isobe* (Aichi, Japan)

**Surgical treatment of AF: History and advancement**

*Taijiro Sueda* (Hiroshima, Japan)

15:00 - 16:00 **Chaired Poster Presentation**

*Chairs: Toru Iwa (Aichi, Japan), Akihiko Shimizu (Yamaguchi, Japan)*

**Chaired Poster Presentation 1**

CP1-1 Impact of pulmonary veins isolation on atrial remodeling

*Shulong Zhang (Dalian, China)*

CP1-2 The close linkage of arrhythmogenic foci around left superior pulmonary vein

*Toshiya Kurotobi (Osaka, Japan)*

CP1-3 Bi-atrial substrate properties in patients with paroxysmal and permanent atrial fibrillation

*Shih-Lin Chang (Taipei, Taiwan)*

CP1-4 Predicting risk factors for newly-developed atrial fibrillation in persons who received screening test for general health

*Jun Hyung Kim (Seoul, Korea)*

CP1-5 Computed tomographic analysis of the relationship between the esophagus and the left atrium: Characteristics of the closely attached area

*Hiroshi Furusho (Kanazawa, Japan)*

CP1-6 Three-dimensional frequency map by magnetocardiography indicates a predictive value for the restoration to sinus rhythm after surgical pulmonary vein isolation

*Kenji Nakai (Morioka, Japan)*

CP1-7 Plasma brain natriuretic peptide(BNP) levels to predict paroxysmal atrial fibrillation(AF) in patients with hypertrophic cardiomyopathy(HCM)

*Takashi Murakami (Okayama, Japan)*

CP1-8 Significant changes of P wave-triggered signal-averaged atrial electrocardiogram after extensive pulmonary vein isolation in patients with atrial fibrillation

*Kazuyuki Tanoue (Tsukuba, Japan)*

15:00 - 16:00 **Chaired Poster Presentation**

*Chairs: Minoru Horie (Shiga, Japan), Kyoko Soejima (Tokyo, Japan)*

**Chaired Poster Presentation 2**

CP2-1 Efficacy and safety of right atrial septal pacing in patients with sinus node dysfunction

*Miki Yokokawa (Maebashi, Japan)*

CP2-2 Incidence and characteristics of inappropriate therapies due to atrial fibrillation or atrial flutter in patients with implantable cardioverter defibrillator

*Takashi Noda (Suita, Japan)*

CP2-3 Effects of angiotensin-converting enzyme inhibitors and angiotensin receptor blockers to the atrial fibrillation in permanent pacemaker recipients

*Sang Rok Lee (Gwang ju, Korea)*

CP2-4 Possible mechanism for the termination of paroxysmal atrial fibrillation by pilsicainide

*Eriko Yokoyama (Shizuoka, Japan)*

CP2-5 Relationships between sex hormones and atrial fibrillation: Protective effects of testosterone in rat atria

*Takayuki Tsuneda (Tokyo, Japan)*

CP2-6 Aging alters arrhythmogenesis and calcium regulations in pulmonary veins: implications in the genesis of atrial fibrillation

*Wanwarang Wongcharoen (Taipei, Taiwan)*

CP2-7 Protective effects of pravastatin on endocardial remodeling in rapidly paced rat atria

*Takeshi Kato (Tokyo, Japan)*

CP2-8 Effects of Carvedilol on atrial gap junctional remodeling after myocardial infarction

*Feng Cao (Wuhan, China)*

7:30 - 8:30 **How to Session III**

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Moderator: *Hiroshi Nakagawa* (Oklahoma, USA)

**How to detect and ablate the ligament of Marshall (LOM) focus**

1. Anatomy of the ligament of Marshall *Shin Inoue* (Tokyo, Japan)
2. Electrophysiology of the ligament of Marshall  
*Peng-Sheng Chen* (California, USA)
3. Ablation of ligament of Marshall in atrial fibrillation  
*Chun Hwang* (Utah, USA)

8:30 - 10:00 **Symposium III**

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Moderators: *Douglas L. Packer* (Minnesota, USA), *Jonathan Kalman* (Melbourne, Australia)

**New insights into chronic AF (CAF)**

1. Sequential ablation approach to permanent AF  
*Pierre Jais* (Bordeaux, France)
2. Structural changes of left atrium in chronic atrial fibrillation  
*Osamu Igawa* (Tottori, Japan)
3. Electrophysiologic properties in the atria, thoracic veins and autonomic nerves in chronic atrial fibrillation  
*Peng-Sheng Chen* (California, USA)
4. New insights into mechanism of CAF by multielectrode mapping  
*Maurits Allessie* (Maastricht, The Netherlands)
5. New insights into mechanism of CFAE by point by point mapping  
*Koonlawee Nademanee* (California, USA)

11:00 - 12:30 **Symposium IV**

Moderators: *Peng-Sheng Chen* (California, USA), *Masayasu Hiraoka* (Tokyo, Japan)

**What is the mechanism for initiation and perpetuation of AF ?**

**1. Involvement of pulmonary veins in the pathogenesis of atrial fibrillation**

*Itsuo Kodama* (Nagoya, Japan)

**2. Heterogeneous pulmonary vein myocardial cell repolarization:  
Implication for reentry and triggered activity**

*Yasushi Miyauchi* (Tokyo, Japan)

**3. Effect of the autonomic tone on PV origin atrial fibrillation is not the  
same in normal heart dogs and chronic AV block dogs**

*Kenzo Hirao* (Tokyo, Japan)

**4. PV-LA reentry in human**

*Koichiro Kumagai* (Fukuoka, Japan)

**5. AF initiation and maintenance mechanism disclosed by catheter  
ablation**

*Hakan Oral* (Michigan, USA)

12:30 - 13:20 **Luncheon Seminar IV**

Moderator: *Wee Siong Teo (Mistri Wing, Singapore)*

**Ablate and bi-ventricular pacing therapy (ABiVPT) for CAF with heart failure**

1. Bi-ventricular pacing for chronic atrial fibrillation

*David O'Donnell (Victoria, Australia)*

2. Ablation and bi-ventricular pacing therapy (ABiVPT) for CAF with heart failure: Benefits and limitations of ABiVPT

*Kazuo Matsumoto (Saitama, Japan)*

Sponsored by **St. Jude Medical**

13:30 - 15:00 **Symposium V**

Moderators: *Koonlawee Nademanee (California, USA), Takanori Ikeda (Tokyo, Japan)*

**Insights into complex fractionated electrogram (CFAE)**

1. Electrophysiological basis of CFAE: Is it a marker of optimal target site for AF ablation?

*Maurits Allessie (Maastricht, The Netherlands)*

2. FFT analysis can identify AF substrate in AF

*Ching-Tai Tai (Taipei, Taiwan)*

3. Spectral analysis and DF mapping to detect CFAE

*Prashanthan Sanders (Adelaide, Australia)*

4. Autonomic mechanism to explain intermittent and continuous complex fractionated atrial electrograms

*Sunny Po (Oklahoma, USA)*

5. Hybrid strategies for ablation of permanent AF as an adjunct to PVI: Implications of targeting AF NEST in sinus rhythm and CFAE in AF

*Mauricio Arruda (Ohio, USA)*

15:00 - 16:00 **Afternoon Tea Symposium I**

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Moderator: *Karl-Heinz Kuck* (Hamburg, Germany)

**Current and future application of CARTO mapping system for AF ablation**

1. Electroanatomy-guided circumferential PV isolation using CARTO map and double Lasso technique

*Kikuya Uno* (Tsuchiura, Japan)

2. Three-dimensional dominant frequency mapping using CARTO for AF ablation

*Prashanthan Sanders* (Adelaide, Australia)

3. Image integration using the CARTO MERGE module

*David Callans* (Pennsylvania, USA)

Sponsored by **Johnson & Johnson**

16:00 - 17:30 **Symposium VI**

Moderators: *Chu-Pak Lau* (Hong Kong, China), *Kazutaka Aonuma* (Tsukuba, Japan)

## Treatment of AF in heart failure

1. How to attain rhythm control pharmacologically in AF patients with heart failure, if it is required?

*Isabelle Van Gelder* (Groningen, The Netherlands)

2. Catheter ablation for cure of atrial fibrillation in heart failure can improve left ventricular and left atrial function

*Li-Fern Hsu* (Mistri Wing, Singapore)

3. Clinical outcomes of catheter ablation of atrial fibrillation in patients with depressed ventricular function and heart failure

*Koonlawee Nademanee* (California, USA)

4. A tiered approach for lesion creation in radiofrequency catheter ablation for chronic rheumatic atrial fibrillation: Initial results

*Mohan Nair* (New Delhi, India)

5. The Role of AV-node ablation and BiV pacing on improvement of morbidity and mortality of AF patient in heart failure

*Andrea Natale* (Ohio, USA)

7:30 - 9:00 **Panel Discussion III**

Moderator: *San-Jou Yeh* (Taoyuan, Taiwan)

**Prevention, detection and managements of complication of AF-ablation**

Issues

1. PV stenosis *Douglas Packer* (Minnesota, USA)
2. Atrio-esophageal fistula *Hans Kottkamp* (Leipzig, Germany)
3. Peri-esophageal vagal nerve damage *Atsushi Takahashi* (Yokosuka, Japan)
4. AT post ablation *Shu Zhang* (Beijing, China)
5. Thrombo-embolism, air-embolism *Kee-Joon Choi* (Seoul, Korea)
6. Cardiac tamponade *Tachapong Ngarmukos* (Bangkok, Thailand)

9:00 - 9:40 **Debate I**

Moderator: *Muhammad Munawar* (Jakarta, Indonesia)

**AF ablation is indicated for asymptomatic paroxysmal AF**

Protagonist: *Seil Oh* (Seoul, Korea)  
Antagonist: *Shigeru Ikeguchi* (Shiga, Japan)

11:00 - 11:40 **Debate II**

Moderator: *Yoshinori Kobayashi* (Tokyo, Japan)

**Ablate and BiV pacing is superior to curative AF ablation in CAF with heart failure**

Protagonist: *Ming-Hsiung Hsieh* (Taipei, Taiwan)  
Antagonist: *Yoshito Iesaka* (Tsuchiura, Japan)

11:40 - 12:20 **Debate III**

Moderator: **Yoshito Iesaka** (Tsuchiura, Japan)

**Aggressive ablation strategy is crucial for cure of persistent and permanent AF**

Protagonist: **Hans Kottkamp** (Leipzig, Germany)

Antagonist: **Karl-Heinz Kuck** (Hamburg, Germany)

12:30 - 13:20 **Luncheon Seminar V**

Moderator: **Kaoru Sugi** (Tokyo, Japan)

**Basic and clinical assessment of bepridil**

1. Actions of bepridil as an antiarrhythmic drug

**Katsushige Ono** (Oita, Japan)

2. Clinical efficacy of bepridil for persistent atrial fibrillation

**Yuji Nakazato** (Tokyo, Japan)

Sponsored by **Sankyo**

13:30 - 15:00 **Panel Discussion IV**

Moderator: **Chun Hwang** (Utah, USA)

**Selection and exclusion of the patients for AF ablation**

Panelists: **David Callans** (Pennsylvania, USA), **Teiichi Yamane** (Tokyo, Japan),

**Wee Siong Teo** (Mistri Wing, Singapore), **Yong-Seog Oh** (Seoul, Korea),

**Chang-Sheng Ma** (Beijing, China)

**Issues**

1. Asymptomatic paroxysmal AF
2. Rare and long-lasting paroxysmal AF
3. Chronic asymptomatic AF
4. Aged patients >70 - 80 yrs old
5. Significant left ventricular dysfunction
6. Valvular heart disease with indication for surgery
7. Dilated LA

**15:00 - 16:00** **Afternoon Tea Symposium II**

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*Moderators: Hiroshi Nakagawa (Oklahoma, USA), Shutaro Satake (Kanagawa, Japan)*

**Balloon technology for AF ablation: Scientific basis and updated clinical application**

**1. Various balloon ablation technology: Benefits and limitations**

*Douglas Packer (Minnesota, USA)*

**2. Cryothermal balloon**

*Vivek Reddy (Massachusetts, USA)*

**3. A radiofrequency hot balloon**

*Shutaro Satake (Kanagawa, Japan)*

**4. Initial experience using a forward directed, high-intensity focused ultrasound balloon catheter for pulmonary vein antrum isolation in patients with atrial fibrillation**

*Hiroshi Nakagawa (Oklahoma, USA)*

**18:30-20:00** Hall A, B

**18:30 - 20:00** **Gala Dinner**

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10:00 - 11:00 Oral Award Presentation

Chairs: **Masayasu Hiraoka** (Tokyo, Japan), **Shih-Ann Chen** (Taipei, Taiwan)

Selection Committee members:

**Masayasu Hiraoka** (Tokyo, Japan), **Shih-Ann Chen** (Taipei, Taiwan)

**Yoshifusa Aizawa** (Niigata, Japan), **Maurits Allesie** (Maastrich, Netherlands)

**Cong-Xin Huang** (Wuhan, China), **Sung Soon Kim** (Soul, Korea)

**Andrea Natale** (Cleveland, USA)

OA-01 Left and right atrial mapping to identify the substrate for atrial fibrillation in rheumatic mitral stenosis

**Bobby John** (North Plympton, Australia)

OA-02 Catheter ablation of atrial fibrillation in cases with rheumatic valvular disease

**Xu Liu** (Shanghai, China)

OA-03 Clinical outcomes of surgical PV isolation and hybrid procedure for chronic atrial fibrillation combined with bilateral A-V valve insufficiency

**Katsuhiko Imai** (Hiroshima, Japan)

OA-04 Heterogeneous distribution of atrial gap junctions in dogs with chronic AV-block

**Tu-Ying Liu** (Hsinchu, Taiwan)

11:00 - 12:30 Oral Presentation

*Chairs: Nassir Marrouche (Utah, USA), Akira Fujiki (Toyama, Japan)*

- O-001 Substrate ablation of atrial fibrillation at LA roof does not require blocking line formation; Usefulness of fractionated potentials guided approach  
*Shigeru Ikeguchi (Moriyama, Japan)*
- O-002 Extensive circumferential ablation around pulmonary vein ostia by a radiofrequency hot balloon catheter: The first clinical pilot study in Japan  
*Hiroshi Sohara (Hayama, Japan)*
- O-003 The catheter ablation lesions are related to the morphological heterogeneity of acquired pulmonary vein stenosis after atrial fibrillation ablation ?  
*Chin-Chou Huang (Taipei, Taiwan)*
- O-004 Management of atrial fibrillation following cardiac resynchronisation therapy  
*Ulhas Pandurangi (Chennai, India)*

*Chairs: Prashanthan Sanders (Adelaide, Australia), Yuji Murakawa (Kanagawa, Japan)*

- O-005 Effect of oral amiodarone for avoiding inappropriate therapy from an implantable cardioverter defibrillator  
*Takayuki Nagai (Suita, Japan)*
- O-006 Simvastatin prevents atrial fibrillation promoting left atrial remodeling in the rat post myocardial infarction induced heart failure model  
*Sang-Ho Koo (Busan, Korea)*
- O-007 Angiotensin receptor blockers prevent AF induction in heart failure in the rat post myocardial infarction induced heart failure model  
*Sang-Ho Koo (Busan, Korea)*
- O-008 Effects of aging and ouabain on left atrial arrhythmogenicity  
*Szu-Ying Chen (Taipei, Taiwan)*

10:00 - 11:00 **Chaired Poster Presentation**

Chairs: **Chun Hwang** (Utah, USA), **Yanzong Yang** (Dailan, China)

**Chaired Poster Presentation 3**

CP3-1 Sequential changes in left atrial strain after pulmonary vein isolation in patients with atrial fibrillation

*Hirosuke Yamaji* (Okayama, Japan)

CP3-2 Non-pulmonary vein foci of atrial fibrillation

*Hong Euy Lim* (Seoul, Korea)

CP3-3 Characteristics of atrial frequency gradient in patients with paroxysmal atrial fibrillation not eliminated by pulmonary vein isolation alone

*Eriko Yokoyama* (Shizuoka, Japan)

CP3-4 Left atrial catheter ablation enhances vasoconstriction of the right coronary artery

*Shigeki Hiramatsu* (Maebashi, Japan)

CP3-5 Progressive remodeling of the atrial substrate from consecutive voltage mapping in patients with recurrence of atrial fibrillation after catheter ablation

*Li-Wei Lo* (Taipei, Taiwan)

CP3-6 The role of left atrial muscular bundles in catheter ablation of atrial fibrillation

*Shih-Lin Chang* (Taipei, Taiwan)

CP3-7 Is selective pulmonary vein isolation comparable to empirical four pulmonary vein isolation for focally triggered atrial fibrillation?

*Jin Seok Kim* (Seoul, Korea)

CP3-8 Functional conduction barrier in the left atrium in patients with paroxysmal atrial fibrillation

*Ameya Udyavar* (Taipei, Taiwan)

10:00 - 11:00 **Poster Award Presentation**

Chairs: **David Callans** (Pennsylvania, USA), **Jiunn-Lee Lin** (Taipei, Taiwan)

Selection Committee member:

**David Callans** (Pennsylvania, USA), **Jiunn-Lee Lin** (Taipei, Taiwan)

**Muhammad Munawar** (Jakarta, Indonesia), **Tetsunori Saikawa** (Oita, Japan)

**Kan Takayanagi** (Saitama, Japan)

**PA-01** Abnormal atrial action potential restitution and increased intraatrial conduction time contribute to the inducibility of atrial fibrillation in Brugada syndrome

*Masayoshi Kofune* (Tokyo, Japan)

**PA-02** The efficacy of inducibility test: Implication for catheter ablation of atrial fibrillation

*Shih-Lin Chang* (Taipei, Taiwan)

**PA-03** Mechanisms for termination of paroxysmal atrial fibrillation: Frequency analysis of the intracardiac electrograms from bi-atrial sites before and after pilsicainide

*Daisuke Horiuchi* (Hirosaki, Japan)

**PA-04** Effects of combination therapy of ACEI and ARB for the endothelial dysfunction in patients with persistent and permanent atrial fibrillation

*Hyung-Wook Park* (Gwangju, Korea)

**PA-05** Association of VKORC1 and CYP2C9 polymorphisms with warfarin dose in a Korean patient population

*Hyun-Jung Cho* (Seoul, Korea)

**PA-06** Glucocorticoid induces atrial arrhythmogenesis via modification of ion channel gene expression in rats

*Yuki Iwasaki* (Tokyo, Japan)

**PA-07** Effect of vagal stimulation and differential densities of M<sub>2</sub> receptor and I<sub>K,ACh</sub> in canine atria

*Qing-Yan Zhao* (Wuhan, China)

# General Information

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## Date

**November 23(Thu.)-25(Sat.), 2006**

## Venue

**Akasaka Prince Hotel, Goshiki Convention Center**

1-2, Kioi-cho, Chiyoda-ku, Tokyo 102-8585, Japan

Phone: 81-3-3234-1111 Fax: 81-3-3262-5163

<http://www.princehotelsjapan.com/akasakaprincehotel/>

## Official Language

English

## Registration

The registration desk will be opened at the lobby on the 2nd floor at the following hours:

November 23 (Thu.) 14:00 - 20:30

November 24 (Fri.) 7:00 - 19:00

November 25 (Sat.) 7:00 - 17:00

## Cloak

Cloak will be opened on the 3rd floor at the following hours:

November 23 (Thu.) 14:00 - 21:45

November 24 (Fri.) 7:00 - 19:45

November 25 (Sat.) 7:00 - 20:15

## Speakers' Room

The Speakers' Room is located on the 2nd floor, Room "Momiji". It will be opened during the following hours:

November 23 (Thu.) 14:00 - 19:00

November 24 (Fri.) 7:00 - 18:00

November 25 (Sat.) 7:00 - 17:00

Speakers are requested to check the connection of their own computer or bring their presentation files and install them to the PC at the speakers' room at least 30 minutes before their presentation.

**Secretariat Office**

Secretariat Office is located on the 2nd floor, Room “Momiji”.

**Message Board**

Any program change or urgent announcements from the Secretariat and private messages will be posted on the message board located in the registration area on the 2nd floor. Please check the message board occasionally.

**Travel Desk**

Travel desk is available at the registration desk. For hotel accommodation, local transportation, tour in Japan etc. please contact personnel at the Travel desk.

November 23 (Thu.) 14:00 - 20:30

November 24 (Fri.) 8:00 - 19:00

November 25 (Sat.) 8:00 - 17:00

**Refreshments**

Refreshments are served on the 1st floor lobby during the symposium.

## Poster Presentation

All posters are displayed in Hall E and Room G on the 1st Floor.

Presenters should place their posters on the poster board. Posters should be displayed on the boards using pushpins that will be available in front of the Poster Presentation rooms.

Set-up and removal times of posters are as follows:

### (1) Poster No. P-FXX

Set up: November 24 (Fri.) 8:30 - 9:00

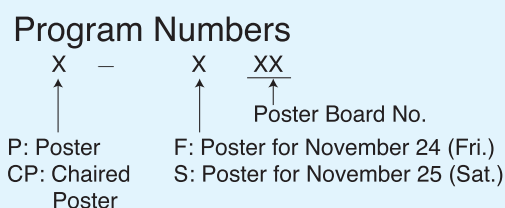
Removal: November 24 (Fri.) 17:00 - 18:00

### (2) Poster No. P-SXX

Set up: November 25 (Sat.) 8:30 - 9:00

Removal: November 25 (Sat.) 17:00 - 18:00

(Any posters remaining after 18:00 will be removed and disposed of by the Secretariat.)



## Social Programs

All registered participants, exhibitors and accompanying persons are invited to attend the Welcome Reception and the Gala Dinner free of charge.

### Welcome Reception

**Date & Time:** November 23 (Thu.) 20:00 - 21:30

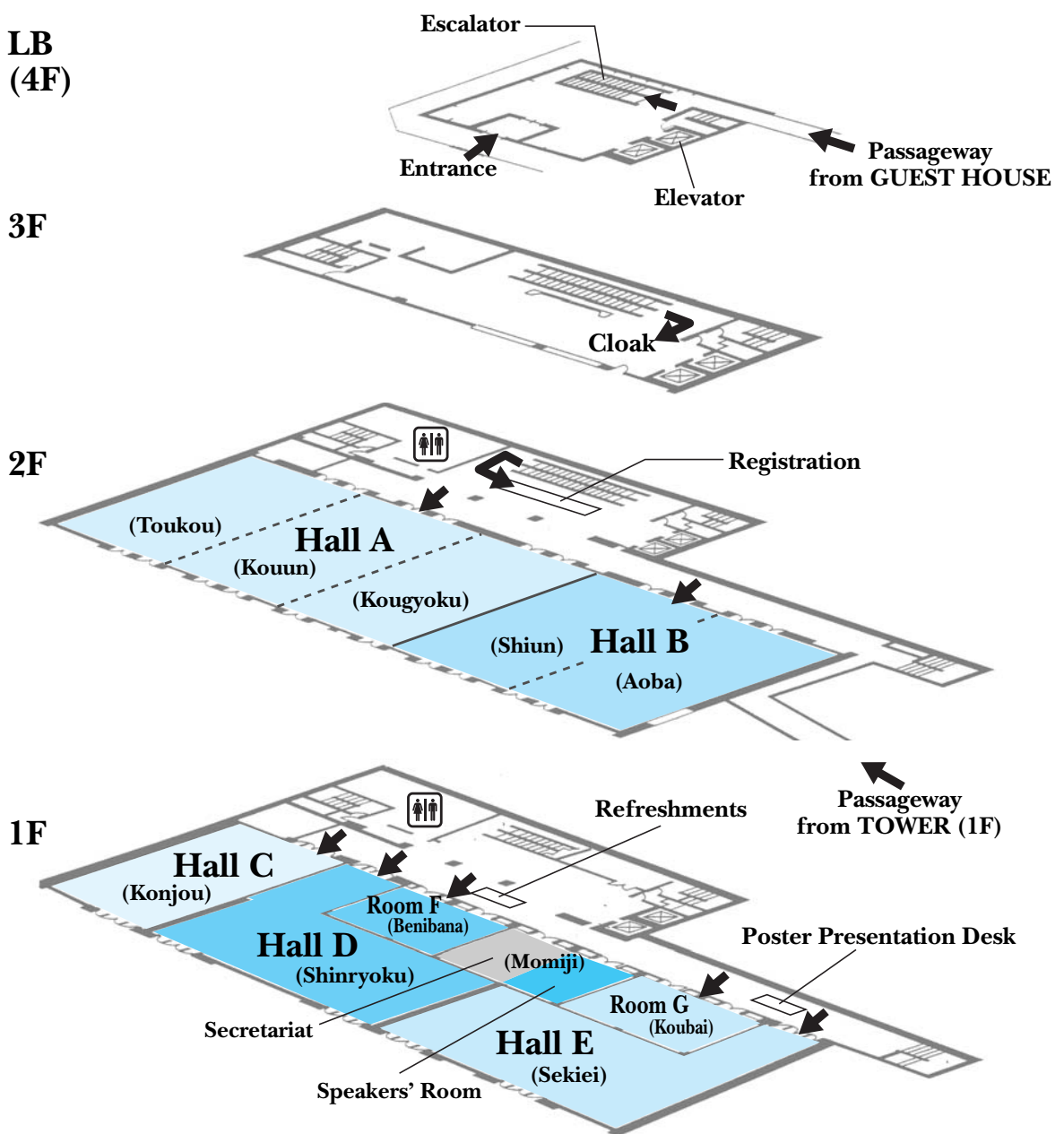
**Venue:** Hall B (2nd floor)

### Gala Dinner

**Date & Time:** November 25 (Sat.) 18:30 - 20:00

**Venue:** Hall A & B (2nd floor)

# Floor Plan (Goshiki Convention Center)

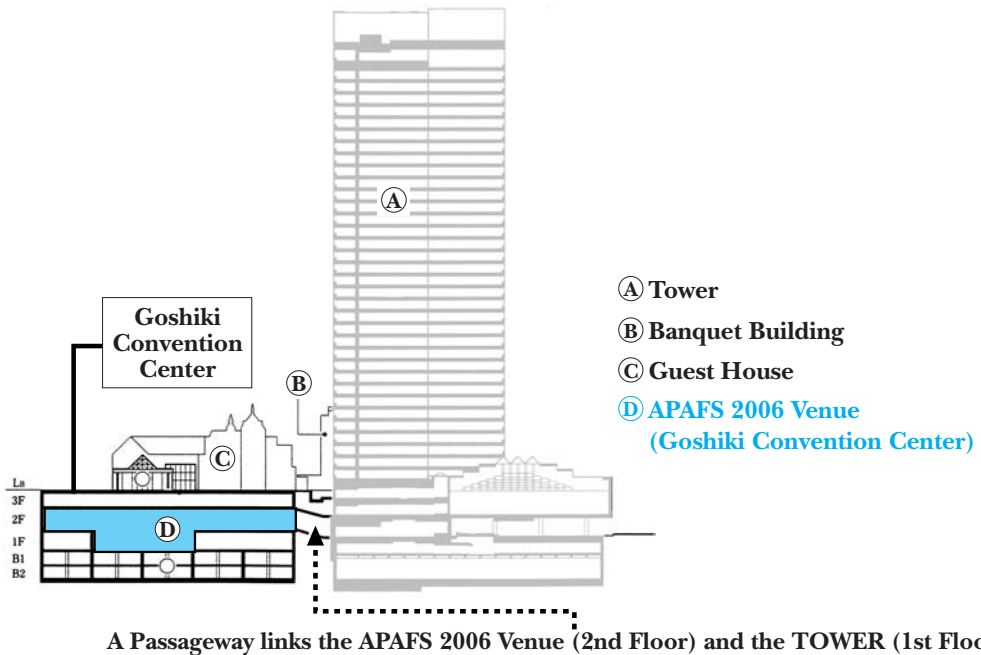
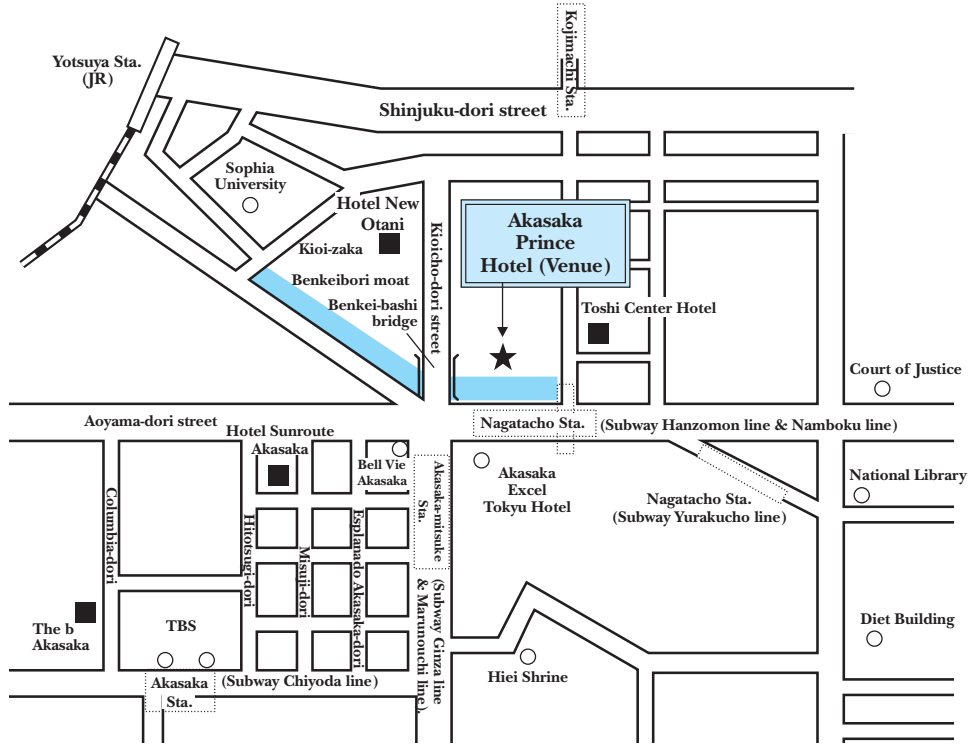


## 1F (Hall D, Room F)

APAFS2006 Exhibitors	
Boston Scientific Japan	Century Medical
Clinical Supply	Fukuda Denshi
Getz Bros/St. Jude Medical	Japan Lifeline (J · Cath)
Johnson & Johnson	Medicon
Medtronic Japan	Nihon Kohden
Siemens-Asahi Medical Technologies	Sorin Group Japan

# Hotel Map

## Akasaka Prince Hotel and Vicinity



## Endorsers



Heart Rhythm Society™



Japanese Heart Rhythm Society

Japanese Society of Electrocardiology



Japanese Circulation Society



International Society for Holter and Noninvasive Electrocardiology



Taiwan Society of Cardiology



**Secretariat of APAFS2006**

**c/o ICS Convention Design, Inc.**

**Sumitomo Corp. Jinbocho Bldg.**

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