

1st Announcement and Call for Papers  
The 13th International Stirling Engine Conference

# ISEC2007

23-26 September 2007, Waseda University, Tokyo, JAPAN

<http://www.isec-info.org/isec2007/>  
[isec2007@isec-info.org](mailto:isec2007@isec-info.org)



## About ISEC2007

This is the thirteenth conference of the well-established series of conferences on Stirling engines and coolers, and related Stirling cycle technologies. The International Stirling Engine Conference (ISEC) has been held every two or three years since 1982 and has received worldwide recognition as the major international conference devoted to the exchange of the most recent research, development, and demonstration results of Stirling cycle machines. The ISEC brings together experts and interested parties in this field and provides an excellent opportunity for interactions among delegates. The ISEC seeks to encourage academic research and its realization in industrial applications, thereby making an important contribution to the growth of Stirling cycle machine technology. Furthermore, the ISEC provides a good opportunity for small, medium, and large enterprises to present their activities to the world. The thirteenth conference (ISEC2007) will take place at Waseda University in Tokyo on 23-26 September 2007.

For detailed information, please visit the conference website:  
[www.isec-info.org/isec2007/](http://www.isec-info.org/isec2007/)

## Topics

### 1. Stirling Engines

new developments, design, cycle simulations, operating experiences

### 2. Heat Pumps and Refrigerators

Stirling heat pumps, Stirling refrigerators, Vuilleumier heat pumps, cryocoolers

### 3. Thermoacoustic Heat Engines

thermoacoustic engines and coolers, pulse tube coolers

### 4. Applications

cogeneration systems, micro-CHP, electrical network integration of CHP units, waste heat recovery, biomass energy, solar energy, space use, medical treatments, mass production, marketing

### 5. Components

burners, combustion chambers, control systems, sealing, regenerators, heat exchangers, mechanisms

### 6. Models and Education

engines and coolers

## Conference Venue

International Conference Center, Waseda University



## Submission of Abstracts

Prospective authors are requested to submit abstracts of their papers of approximately 500 words in English by 15 February 2007. Abstracts are to be submitted as an attached file in PDF or MS Word format and sent to [tech@isec-info.org](mailto:tech@isec-info.org) with "ISEC2007" in the subject line. They should be typed with single-spacing, including the title of the paper and authors' names with their affiliations, mailing addresses, telephone/telefax numbers, e-mail addresses, and other contact information. Five keywords for the subject area of the paper and the relevant topic number according to the list of topics should also be indicated.

## Acceptance of Abstracts

Acceptance of papers will be decided by the Technical Committee on the basis of the submitted abstracts. Authors will be notified of acceptance by 15 March 2007 and requested to submit the final manuscripts to [tech@isec-info.org](mailto:tech@isec-info.org) by 15 May 2007 electronically in PDF or MS Word format. Guidelines for the preparation of papers will be available at the conference website.

## Special Lectures

Special lectures will be given by several invited speakers.

## Technical Excursion

A technical excursion including several site visits will be scheduled on Wednesday 26 September 2007.

## Exhibition and Poster Show

The foyer of the conference center is available for the exhibition of Stirling machine hardware, R&D products, model machines for education or hobby, and for information kiosks of associations/societies. Demonstrations of Stirling engines are possible and welcome. Those who wish to exhibit posters or Stirling machines during the conference, please contact the conference secretariat at [isec2007@isec-info.org](mailto:isec2007@isec-info.org).

## Stirling Techno-Rally

The Stirling Techno-Rally will be held on Monday 24 September 2007. This is a competition among vehicles driven by original working Stirling engines. Models will be judged based on their performance and original design. The purpose of the Rally is to stimulate an interest in engineering among young people, promote the use of Stirling engine technology in industry, and encourage the development and improvement of Stirling engines and related technologies.

## Registration

Registration should be made on-line at the conference website. The registration fees include admission to all technical sessions, the technical excursion, the exhibition and poster show, the Techno-Rally, the proceedings\*, the welcome reception, the banquet\*, and coffee breaks. No registration fees are required for those who take part only in the Techno-Rally, only exhibit posters, or only exhibit machines. (\*Not included in the student registration fees.)

	Prior to 15 Aug. 2007	After 15 Aug. 2007
Members of JSME or Cooperating Organizations Overseas participants	JPY45,000	JPY55,000
Students	JPY10,000	JPY15,000
Others	JPY50,000	JPY60,000

### Important Dates

15 February 2007	Deadline for abstract submission
15 March 2007	Notification of abstract acceptance
15 May 2007	Deadline for final manuscript
15 June 2007	Notification of paper acceptance
15 June 2007	Early-registration begins
15 August 2007	Early-registration ends
23-26 September 2007	Conference

### ISEC2007 Cooperating Organizations

(subject to confirmation)

Waseda University  
Waseda University Environmental Research Institute  
21st Century COE Program in Waseda University (The innovative research on symbiosis technologies for human and robots in the elderly dominated society)  
American Society of Mechanical Engineers (ASME)  
Cryogenic Association of Japan (CAJ)  
International Institute of Refrigeration (IIR)  
Institution of Mechanical Engineers (IMEchE)  
The Society of Automotive Engineers of Japan (JSAE)  
Japan Society for Design Engineering (JSDE)  
Japan Solar Energy Society (JSES)  
The Japan Institution of Marine Engineering (JIME)  
Japan Society of Refrigerating and Air Conditioning Engineers (JSRAE)  
Korean Society of Mechanical Engineers (KSME)  
The Association of German Engineers (VDI)

### ISEC2007 Executive Organizing Committee

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### International Stirling Engine Council

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### honored members

T. Finkelstein, Stirling Associates International, USA  
N. Isshiki, Tokyo Institute of Technology, Japan



Asakusa



The Imperial Palace

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The Japan Society of Mechanical Engineers  
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