

Important Dates:

First circular: January 1, 2014

Abstract submission deadline: June 30, 2014

Financial support request deadline: June 30, 2014

Early registration deadline: August 31, 2014

Registration Fees:

Payment received by August 31, 2014

(after September 1, 2014)

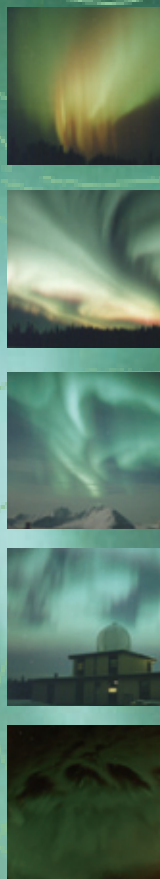
Regular	25,000 (35,000) yen
Student	15,000 (25,000) yen
Accompanying Person	5,000 (10,000) yen

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Meeting Schedule:

Nov. 10 (Mon), 11 (Tue), and 13 (Thu) morning:
tutorial lectures by S.-I. Akasofu,
V. Angelopoulos, and D. N. Baker

Nov. 10 (Mon) - Nov. 14 (Fri) : individual sessions

Nov. 12 (Wed) afternoon: excursion
evening: banquet

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For details about the Conference, see the web site:
<http://www.stelab.nagoya-u.ac.jp/ICS-12/>

ICS-12

The 12th International Conference on Substorms

November 10-14, 2014

Ise, Japan

Conveners:

K. Shiokawa and M. Fujimoto

*Development of an auroral substorm
(Akasofu, Planet. Space Sci., 1964)*

Over the half century since the first finding of the auroral substorm by Akasofu (1964), auroral and magnetospheric substorm has been one of the main topics for the scientists in space physics. Not only giving the spectacular auroral view, substorm contains various fundamental processes of plasma acceleration and dissipation in the magnetosphere and the ionosphere. Recent satellite missions of THEMIS and Van Allen Probes as well as several modeling efforts are giving more insights into the relationship between the mid-tail plasma sheet and the inner magnetosphere and the relationship between substorms and storms. Extended ground imager, radar, and magnetometer arrays provide more complex dynamical features of the magnetosphere during substorms.

During ICS-12 we are going to highlight the most recent results in substorm research. Topical sessions may cover substorm processes in the tail, interaction between the tail and the inner magnetosphere and ionosphere, substorm currents and its dynamics, and the role of substorm in geospace energetics, as well as the role of MHD and kinetic instabilities in substorms. Other substorm-related researches are also welcomed, such as storm-substorm relationship, ULF/ELF/VLF waves, and non-Earth substorm-like features. Ample opportunity will be given for discussions on the new results.

Preliminary List of Invited Speakers:

3 tutorial talks

Syun-Ichi Akasofu, Vassilis Angelopoulos, Dan Baker

(1) Substorm-related processes in the tail

Slava Merkin, Stefan Kiehas, Iku Shinohara

(2) Interaction between the tail and the inner magnetosphere and ionosphere

Toshi Nishimura, Frank Toffoletto, Larry Kepko

(3) Substorm currents and its dynamics

Victor Sergeev, Lasse Clausen, Jesper Gjerloev

(4) The role of substorm in geospace energetics

Steve Milan, Eija Tanskanen

(5) The role of MHD and kinetic instabilities in substorms

Joachim Birn, Phil Pritchett

(6) Storm-substorm relationship

Pontus Brandt, Mike Henderson

(7) ULF/ELF/VLF waves

Evgeny Panov, Jonathan Rae

(8) Non-Earth substorm-like features

Suzie Imber, Barry Mauk

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Access to Ise:

Kansai Int' l Airport



Nankai Airport Express
about 40 min.
Fare: 1,430 yen



Osaka-Namba Station



Kintetsu Limited Express
about 2 hrs. 20 min.
Fare: 3,790 yen



Car, Taxi
about 10 min.
Fare: 2,150 yen

Chubu Centrair Int' l



Meitetsu Limited Express
about 30 min.
Fare: 1,230 yen



Nagoya Station



Kintetsu Limited Express
about 2 hrs.
Fare: 3,180 yen



Shuttle Bus
about 10 min.
Fare: free

Shima-Isobe Station

Ise-Shima Royal Hotel



Venue:

Ise-Shima Royal Hotel, Shima, Japan

<http://www.daiwaresort.jp/en/ise/index.html/>

The conference will be held in Ise-Shima Royal hotel that is located at the height from which beautiful complex coastlines come into your sight.



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The area around the venue is in the Ise-Shima National Park on the Shima Peninsula. In the national park, there are numerous historical and interesting places including the Ise Grand Shrine (Ise jingu). Ise Jingu is one of the most sacred Shinto shrine in Japan. Amaterasu Omikami, the ancestral goddess of the Imperial Family, was enshrined 2000 years ago, and has been worshiped by the successive emperors. For more information on the Shrine, please visit <http://www.isejingu.or.jp/english/>.



Weather:

Average temperatures in November in Ise-Shima range from a high of 20 degrees Celsius (68 degrees Fahrenheit) to a low of 5 degrees Celsius (41 degrees Fahrenheit). Weather conditions in November are pleasant but sometimes chilly. Autumn colors are spectacular.