

FIRST ANNOUNCEMENT

ASIAN CONGRESS ON GAS TURBINES 2012 (ACGT2012)
— Tradition, Challenge and Future

Shanghai, P. R. China
August 20-22, 2012

<http://acgt2012.csp.escience.cn>

Organized by
Institute of Engineering Thermophysics/Chinese Academy of Sciences
Gas Turbine Society of Japan
Korean Fluid Machinery Association



Asian Congress on Gas Turbines 2012

Organization of Asian Congress on Gas Turbines 2012

■Organizing Society

Institute of Engineering Thermophysics / Chinese Academy of Sciences (IET/CAS)

Gas Turbine Society of Japan (GTSJ)

Korean Fluid Machinery Association (KFMA)

■ Organizing Committee

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■ Local Organizing Committee

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SU Ming, Shanghai Jiaotong University

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WANG Songtao, Harbin Institute of Technology

HUANG Ou, Shanghai Electric Group Co., LTD.

WANG Weimin, Dongfang Turbine Co., LTD.

YAO Hongwei, Harbin Turbine Co., LTD.

LI Xiaotang, Aviation Industry Corporation of China

LIN Feng, China Shipbuilding Industry Corporation

ZHU Junqiang, Institute of Engineering Thermophysics / Chinese Academy of Sciences

LIN Feng, Institute of Engineering Thermophysics / Chinese Academy of Sciences

ZHANG Hongwu, Institute of Engineering Thermophysics / Chinese Academy of Sciences

■ Objectives

Following the tradition set at the first and second ACGT conferences held in Korea 2005 and Japan 2009, the ACGT2012 will once again aim to provide an international forum for exchange of information related to gas turbine technology, especially among researchers in Asian Region. Through the enhancement of interaction and cooperation among Asian researchers and students, the ACGT2012 is expected to promote Pan-Asian cooperative effort in gas turbine research and development. The ACGT2012 will also act as a platform to promote interactions for gas turbine researchers, users and manufacturers within and outside Asian region.

■ Local Organizers

Shanghai Jiao Tong University (SJTU)

Shanghai Electric Group Company Limited (SEC)

Shanghai Advanced Research Institute / Chinese Academy of Sciences (SARI/CAS)

● Scope

Papers related to any aspect of gas turbine research are invited from all over the world. The ACGT2012 will have three Keynote Speeches, two Forums in addition to General Sessions.

■ Keynote Speech

Three Keynote Speeches will be planned from China, Japan and Korea.

■ Forum

Topics will deal with strategic issues related to gas turbines which are emerging in Asia

- Forum 1 – (tentative)
- Forum 2 – (tentative)

■ Schedule for Paper Submission

March 1, 2012 Abstracts submission

April 1, 2012 Abstracts acceptance notification

May 31, 2012 Submission of final papers

■ Call for Abstracts

- Paper selection for the conference will be based on abstracts of no less than 500 and no more than 1000 words with key figures. The author should outline the major contents of the final paper.
- Remember to include the contact address, title, phone and fax numbers, and e-mail address of the corresponding author in the abstract. We highly recommend converting the abstract into a PDF prior to submission.
- Corresponding authors are requested to preregister to the conference.
- All abstracts should be submitted by email to acgt2012_papers@csp.escience.cn

■ Call for Papers

Authors and presenters are invited to participate in this event to exchange their experiences and to expand International cooperation, especially in Asian Region, in the areas of Gas Turbines, as well as Energy Conversion Systems and Machinery at large, at the ASIAN CONGRESS ON GAS TURBINES 2012. Contributions involving the theory and/or application related to any aspect of gas turbine and turbo machinery research are invited from all over the world. Specific topics of interest include but are not limited to:

- Aerodynamics: general interests, axial fans/compressors, axial turbines, radial compressors, radial turbines, unsteady flows, rotating stall and surge, CFD and its validation, noise and noise reduction, component interaction and systems.
- Combustion, Fuel and Emissions: general interests, clean coal technology, biomass, alternative fuels, low-NO_x emission.
- Control, Diagnostics and Instrumentation
- Heat Transfer and thermodynamics: general interests, film cooling, internal air and sealing, thermal management, cycle innovation.
- Innovative Clean/Renewable Energy Technology: IGCC, hybrid fuel cell and gas turbine power plants, hybrid solar and gas turbine power plants, distributed energy, combined cold, heat and power systems, steam turbines for concentrated solar power plants.
- Manufacturing Materials & Metallurgy
- Maintenance and User Experience
- Structure and Dynamics: general interests, fatigue, fracture & life prediction, rotor dynamics, structural mechanics & vibration, fluid/solid interaction.

- Applications: aircraft engines, industrial and cogeneration, micro and small gas turbines, marine, oil and gas, steam turbines, wind turbines

■ Journal Paper Publication

Selected papers presented at the conference will be considered for publication in one of the International Journals of Gas Turbine, Propulsion and Power Systems (JGPP) and / or Journal of Thermal Science (JTS).

■ Registration Fee

CATEGORY	RATES	COVERING
Regular	USD250	access to all sessions, final program with paper abstracts, CD-ROM proceedings, daily working lunches, banquet (Aug.20), coffee breaks, shuttle bus between xujiahui district and congress venue.
Student	USD100	

Note: All participants are asked to register online. On-site registration is not accepted.

■ Contact point

All correspondence regarding the papers of ACGT2012 should be forwarded to
LIN Feng

Email: acgt2012_papers@csp.escience.cn

All correspondence regarding other issues of ACGT2012 should be forwarded to
ZHANG Hongwu

Email: acgt2012@csp.escience.cn

■ Congress web site

Official congress home page is <http://acgt2012.csp.escience.cn> and further announcement will be processed on-line.

■ Accommodation

Organizing Committee will suggests 2-3 hotels in Xujiahui Area and some hotels in Shanghai Jiao Tong University.

■ Banquet

To be determined

■ Plant Tour

To be determined