

:: Conference Registration Fees

Early Bird **SGD 1,190.00**

(Registration & Payment by 31 May 2012)

Regular Fee **SGD 1,390.00**

(Registration & Payment after 31 May 2012)

Note:

1. ACUUS / SRMEG / TUCSS Members will enjoy SGD 100 off the registration fee.
2. Register online at www.acuus2012.com.
3. For enquiries, please contact Conference Secretariat at info@acuus2012.com.

:: Conference Venue

ACUUS 2012 Singapore will be held at the Marina Bay Sands, the newest landmark in Singapore. Located along the Marina Bay waterfront and in the heart of Singapore, Marina Bay Sands features three cascading hotel towers topped by an extraordinary sky park, 'floating' crystal pavilions, a lotus-inspired Museum, retail stores featuring cutting-edge labels and international luxury brands, trendy Celebrity Chef restaurants, endless entertainment at the theaters, the hottest night clubs and a Las Vegas-style casino. Business visitors will also enjoy the extensive M.I.C.E facilities featuring state-of-the-art technology.



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:: Your Singapore

Singapore - the gateway to Asia - is a bustling cosmopolitan city that offers a world-class living environment, with her landscape populated by high-rise buildings and gardens. Singapore is a ubiquitous collage of cultures, where people of different ethnicity and beliefs coexist. Besides a vibrant multicultural experience, there's more you can discover about Singapore. Find out more at www.yoursingapore.com.

:: About ACUUS

ACUUS is an international non-governmental association actively promoting partnerships amongst all experts who design, analyse and decide upon the use of our cities' underground space. ACUUS promotes also the awareness of the private sector, governments at all levels and the general public on the specific issues related to the sustainable use of the urban underground. Read more about ACUUS at www.acuus.qc.ca.

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7-9 November 2012

Marina Bay Sands, Singapore

www.acuus2012.com



13th WORLD CONFERENCE OF
ACUUS 2012 SINGAPORE

**Underground Space Development-
Opportunities and Challenges**



Organised by:



On Behalf of:



Associated research Centers
for the Urban Underground Space
Association des Centres de recherche
sur l'Utilisation Urbaine du Sous-sol

Co-organised by:



Supported by:

Supporting Organisations

Building and Construction Authority, Singapore • JTC Corporation, Singapore • Land Transport Authority, Singapore • PUB, Singapore

Participating Associations & Societies

Chinese Society of Underground Space, China • Foundation for Education and Training on Tunneling and Underground Space Use (ITACET Foundation) • ITA-AITES, Committee on Underground Space • The Hong Kong Institution of Engineers, Hong Kong • Underground Space Committee of Tunnel and Underground Works of China Civil Engineering Society, China

You're Invited!

On behalf of the Organising Committee, it is our pleasure to invite you to Singapore in 2012 for the 13th World Conference of the Associated research Centers for the Urban Underground Space.



Worldwide, the use of underground space has been increasingly recognised as part of the solution to creating sustainable urban development. In Singapore, underground space has been elevated to a strategic level when the government announced that underground space development will form part of the economic strategies for Singapore's future development. The main theme for **ACUUS 2012 Singapore** is "Underground Space Development – Opportunities and Challenges."

This theme was chosen to emphasise the unprecedented opportunities for simultaneously improving urban infrastructure and urban livability while at the same time recognising the special challenges faced in creating underground space – both from a human design perspective and in terms of technical and cost challenges. Equally important is the need to move from the creation of underground facilities as a haphazard, first-come first served network of structures to a well-planned use of underground space that can serve the needs of urban areas for future generations as well as our own.

ACUUS 2012 Singapore will provide an excellent forum for engaging discussions and exchanges among planners, engineers, researchers, and policy makers.

We look forward to welcoming you to Singapore in Nov 2012.

Yingxin ZHOU, Chairman
ACUUS 2012 Singapore

Raymond STERLING, President
ACUUS

Conference Theme and Topic

The theme for **ACUUS 2012 Singapore** is "Underground Space Development – Opportunities and Challenges." The intent is to focus on the new opportunities amid a re-focus on developing the urban underground space as part of sustainable development, and the many challenges and issues that planners, developers, and engineers face.

The conference will cover the following main topics:

- Master planning
- Architectural design for livable underground space
- Safety, health, and the environment
- Legal framework and government policies
- Reasons for going underground
- Cost-benefit-analysis
- Socio-economic issues
- Site investigation and geo-planning
- Geotechnical and rock engineering
- Innovations and technology advancement
- Research and support
- Underground transport systems
- Deep caverns and mined space
- Earth-sheltered buildings and pedestrian networks
- Industrial and commercial applications
- Underground space as a strategic resource
- Utilisation of underground space and case studies
- Special projects



Call for Paper!

Interested authors are invited to submit an abstract of not more than 300 words. Please note the following important dates for submission of abstracts and papers.

Abstract due date	30 November 2011
Notice of abstract acceptance	31 Jan 2012
Submission of full papers	30 April 2012

Please submit abstracts to the Conference Secretariat via www.acuus2012.com. Conference registration will be required before the final acceptance and inclusion of papers in the proceedings. Please note that on-line submission will be available at www.acuus2012.com from 1 December 2010.

Workshops, Short Courses and Special Sessions

ACUUS 2012 Singapore aims to be an open forum. In addition to the technical programme of the conference, we invite interested parties to organise workshops and teach a short course, or even organise a special session as part of the conference programme. The Organising Committee will do its best to provide you the necessary support to make your event a success. Interested parties are encouraged to contact the Conference Secretariat early in order to allow the organising committee to plan for the necessary space and logistics. All enquires and proposals that can add value to our attendees are welcome.

Keynote & Open Sessions Presentations

Keynote presentations will be given by a number of invited speakers to highlight some of the key issues related to the planning and use of underground space, and discuss the latest technological advances and challenging projects around the world. Open sessions or meetings are invited from other organisations involved in underground space use to discuss special topics of interest. One such open meeting will be organised by the **ITA COMMITTEE ON UNDERGROUND SPACE (ITACUS)**.

Technical Visits

Technical visits will be organised to underground construction sites, operating facilities, as well as government planning agencies and research institutions.

Sponsorship & Exhibition

An exhibition will be held in conjunction with the conference. Attractive packages for exhibition and sponsorship will be arranged for organisations that wish to showcase and market their services and products in this rapidly growing market in Singapore and the region. Many countries and companies are using Singapore as a gateway to other parts of Asia, the fastest growing region in the world. Contact **Ms Jaslyn Tan** at Tel: +(65) 6271 2453 or email: info@acuus2012.com for more information.



REPLY FORM Visit our website www.acuus2012.com to register your interest or email us at info@acuus2012.com or fax this form to +65 6271 2439.

I am interested to: Submit a Paper Register for the Conference Be a Sponsor
 Exhibit at ACUUS 2012 Singapore Have more information Organise a workshop/short course

Full Name (Prof /Mr / Ms / Mrs) _____

Company Name: _____ Job Title: _____

Direct Tel: _____ HP: _____ Fax: _____

Address: _____ City: _____ Postal Code: _____

Country: _____ Email Address: _____