



SINGAPORE INTERNATIONAL TVET CONFERENCE 2012

TVET FORWARD

TOWARDS INCLUSIVE GROWTH AND OPPORTUNITIES

GRAND COPTHORNE WATERFRONT

| SINGAPORE

| 6 – 9 NOVEMBER 2012

Technical and Vocational Education and Training (TVET) has become an integral part of any nation's total education and training system. A well-developed TVET system brings not only economic benefits but also makes social, cultural and political contributions to a nation's development.

Apart from its **relevance** and **responsiveness** to the changing needs of the economy, the Singapore TVET system is also known for **meeting the aspirations and learning needs** of youths and working adults.

Join us at the **Singapore International TVET Conference 2012** to discover and learn practical strategies from the Singapore experience!

What's in store at TVET 2012?

At **TVET 2012**, participants can expect to:

- Learn from the six public TVET institutions in Singapore on their experiences and strategies in different areas of TVET development.
- Gain insights into policies and developments that have contributed towards the development of the Singapore TVET system.
- Acquire an international perspective on TVET development from TVET experts and industry leaders from Australia, Germany, Hong Kong, Singapore, UK and USA.

Who Should Attend?

Policy Makers, Leaders, Principals, Researchers, Educationists, and Specialists, Administrators and Planners of TVET.



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Institute of Technical Education



DAY 1 KEYNOTE SPEAKER:



MR MARC S. TUCKER, President and Chief Executive Officer of the National Center on Education and the Economy, is a distinguished keynote speaker of the Conference.

He is an internationally recognized expert on academic and occupational standards and assessment, and has also been among the leaders in researching the policies and practices of the countries with the best education systems in the world. Mr Tucker has been a leader of the standards-driver education reform movement for years and had written several articles, books and reports on education and learning systems. He has also testified frequently to the U.S. Congress and state legislatures and advised governments around the world on their education policies.

The Singapore International TVET Conference 2012 will address the following key areas of TVET development:



GOVERNANCE & LEADERSHIP

TVET forms the backbone of many countries and supports the economic development and growth of nations. Developing good governance and leadership frameworks will thus promote effective co-ordination, sharing of resources, and articulation within the system. This track explores strategies for developing sound and reliable governance and leadership models, and building stakeholders' confidence in the integrity and quality of the TVET system in your institution.

CHAIRPERSON:

MS SEAH JIAK CHOO

Former Director-General of Education,
Ministry of Education
Singapore

SPEAKERS:

DR CARRIE WILLIS

Executive Director, Vocational Training Council
Hong Kong

MS PADDI CREEVEY

Chairperson, Governing Board of Challenger
Institute of Technology
Australia

MS LIZ HARRIS

CEO, Challenger Institute of Technology
Australia

MR ROBERT SCHWARTZ

Francis Keppel Professor of Practice of
Educational Policy and Administration,
Harvard Graduate School of Education
USA

PARTNERSHIPS & COLLABORATIONS WITH GOVERNMENT & INDUSTRY

Support from government is paramount for the success of TVET institutions. Just as important are collaborations with local and international institutions and industries which drive growth and development of economies. Speakers will draw from their experiences and share on effective government and industry relationships. The track will also highlight how such partnerships and collaborations can bring about new learning initiatives and breakthroughs for TVET.

CHAIRPERSON:

DR AHMAD MAGAD

Group Managing Director, II-VI Singapore
and China
Singapore

SPEAKERS:

MR TAN PHENG HOCK

President & CEO, Singapore Technologies
Engineering Ltd
Singapore

MR JOHN MADDOCK

CEO, Box Hill Institute
Australia

MR JONATHAN ASHERSON

Regional Director, South East Asia, Rolls-Royce
UK



DAY 2 KEYNOTE SPEAKER:



MR BRUCE POH is the Director & Chief Executive Officer of the Institute of Technical Education (ITE), a post-secondary institution for career technical education under the Ministry of Education in Singapore.

He led ITE in envisioning a new roadmap – ITE Innovate – to be a *Global Leader for Innovations in Technical Education* and introduced an extensive Total System Capability initiative to level up staff's capabilities to undertake industry and consultancy projects. Under his leadership, ITE has achieved many national awards for organisational, innovation, people and service excellence, including the AON Hewitt Best Employers in Singapore (2011), as well as the Public Service Premier Award and the pinnacle Singapore Quality Award (with Special Commendation) in 2011.



CURRICULUM & PEDAGOGY FOR AUTHENTIC LEARNING

Approaches to teaching and learning have changed significantly in recent years. To cope with the demand for well-trained and work-ready employees, institutions are required to consistently update and upgrade their curriculum, pedagogy and infrastructure to provide authentic learning environments. This track focuses on tackling issues on infrastructure, teacher-training programmes and curriculum development. Speakers will also share on innovative ideas and practices in teaching and learning.

CHAIRPERSON:

PROF LEE SING KONG

Director, National Institute of Education
Singapore

SPEAKERS:

DR RUTH COLVIN CLARK

President, Clark Training & Consulting
USA

MS IRIS SEET

Senior Director (Curriculum & Educational
Development)
Institute of Technical Education
Singapore

DR JAN HERRINGTON

Professor of Education, Murdoch University
Australia



INNOVATIONS IN TVET

With rapid technological developments and globalisation, continued development of the TVET system is crucial for a country's competitiveness and success. This track will identify challenges and explore leading practices in TVET such as policy formulation and planning, infrastructure development, curriculum planning, capability development and image building.

CHAIRPERSON:

PROF LEE KWOK CHEONG

CEO, SIM Global Education, Singapore

SPEAKERS:

MS PEE SUAT HOON

Director, Department of Educational
Development, Singapore Polytechnic
Singapore

DR ONG AI CHOO

Educational Development Specialist,
Singapore Polytechnic
Singapore

PROF ANNE SLIWKA

Professor of Education & Vice President
for Research and International Relations,
Heidelberg University of Education
Germany

MR GOH MONG SONG

Deputy Principal (Academic), Institute of
Technical Education, ITE College West
Singapore



EXECUTIVE IMMERSION PROGRAMME

The Executive Immersion Programme (EIP), an experiential learning component of the Conference, will allow participants to gain practical insights into the Singapore TVET system. During the two-day EIP, participants will be able to visit two Singapore TVET institutions of their choice (one on each day) to see how they bring to life the policies and practices shared during the first two days of the Conference.



INSTITUTE OF TECHNICAL EDUCATION

www.ite.edu.sg

Established on 1 April 1992, the Institute of Technical Education (ITE) is a Post-Secondary Education Institution under the Ministry of Education (MOE), Singapore. ITE is the principal provider of career technical education and is the principal authority for national occupational skills certification and standards.

Mandated to train and provide skilled manpower to support the Singapore economy, the institution provides career-based education to over 25,800 full-time students and another 20,000 working adults through Part-time Education programmes.

Today, ITE offers 99 courses across 11 sectors of industry, under six Schools of Study (Applied & Health Sciences, Business & Services, Design & Media, Electronics & Info-Communications Technology, Engineering and Hospitality) at three top-line Colleges, giving students a unique *Hands-on, Minds-on Hearts-on™* brand of education.

Over the last decade, ITE has received many accolades for its transformation and innovations in technical education. In 2005, ITE became the first education institution to win the Singapore Quality Award (SQA) in recognition of the world-class standards in business excellence. Six years later, ITE was again the first education institution to win the pinnacle Singapore Quality Award with Special Commendation. This Award recognises past SQA winners for scaling greater heights of business excellence and for demonstrating sustainable global leadership in key business areas, products or services.

On the global front, ITE won the inaugural global Harvard-IBM Innovations Award in Transforming Government, conferred by the Ash Institute for Democratic Governance and Innovation of Harvard University. The Award recognises ITE for having the world's most transformative government programme which has profound impact on citizen's lives.

^ SQA, which mirrors the US Malcolm Baldrige National Quality Award, the European Quality Award and the Australian Business Excellence Award is the pinnacle award for business excellence in Singapore. It is awarded to organisations with management systems and processes that achieve outstanding levels of business excellence in all areas.



NANYANG POLYTECHNIC

www.nyp.edu.sg

Established on 1 April 1992, Nanyang Polytechnic (NYP) is a premier tertiary institution dedicated to meeting the manpower needs of Singapore and aspirations of our students. Central to NYP's distinctiveness are its unique and effective teaching pedagogy, its application and practice-oriented training, its strong industry linkages, and its pervasive culture of innovation.

NYP's mission is to provide quality education and training to prepare students and adult learners for work and life, equipping them to be lifelong learners and to contribute to the technological, economic and social development of Singapore. We also harness our resources, expertise, creativity and innovation to support the development of business and industry and to complement Singapore's globalization efforts.

NYP offers the following products and services:

- Pre-Employment Training (PET) programmes in engineering, information technology, interactive & digital media, design, chemical & life sciences, health sciences and business management – full time diplomas for school leavers;
- Continuing Education & Training (CET) programmes – Advanced and Specialist Diplomas, Part-time Diplomas, Certificates and a wide range of customised professional development programmes for adult learners;
- Business and Industry projects that strengthen its capabilities and provide application and development oriented learning environment.

NYP is the recipient of the prestigious People Excellence Award, the Innovation Excellence Award and the Singapore Quality Award. This makes NYP the first and only education institution in Singapore to receive these three top organisational and business excellence awards.



NGEE ANN POLYTECHNIC

www.np.edu.sg

Ngee Ann Polytechnic is one of Singapore's leading institutions of higher learning, with about 16,000 full-time students, about 4,600 part-time students and a vibrant alumni community of more than 120,000. The polytechnic offers 48 full-time diplomas in diverse areas such as business, engineering, sciences, infocomm technology, media, humanities and social sciences, and a wide range of part-time programmes.

As the first polytechnic in Singapore to introduce interdisciplinary studies to students, Ngee Ann pioneered a broad-based and multi-disciplinary approach to learning. It was the first polytechnic in Singapore to launch Mobile e-Learning (MeL) in 1999, integrating a notebook ownership scheme, a wireless campus network and an e-learning platform. Ngee Ann was also the first to partner an overseas educational institution to offer a degree under the Ministry of Education's Polytechnic-Foreign Specialised Institution collaboration framework.

The entire polytechnic is now fully enabled for students to connect to the wireless network. About 95 per cent of all the teaching modules are now available online. Another key thrust for the polytechnic is forging partnerships with industry and research partners to enrich students' learning journey and keep them up-to-date with market practices.



REPUBLIC POLYTECHNIC

www.rp.edu.sg

The first educational institution in Singapore to leverage Problem-Based Learning approach for all its diploma programmes, Republic Polytechnic (RP) has six schools and two centres offering 39 courses in Infocomm, Engineering, Applied Science, Technology for the Arts, Sports, Health & Leisure, Events and Hospitality, Enterprise, and Communication. Republic Polytechnic is committed to nurturing innovation and entrepreneurial learning in an environment that develops problem-solving process skills and lifelong learning opportunities. Its holistic, broad-based curriculum, covering culture, enterprise development and cognitive processes, prepares students for an active and meaningful role in society. Republic Polytechnic strives for excellence by achieving various international and national accreditations, including ISO9001, ISO14001, OHSAS 18001, SS540, Singapore Quality Class, People Developer, Innovation Class, and Service Class.



SINGAPORE POLYTECHNIC

www.sp.edu.sg

Established in 1954 to meet the manpower needs identified by the government, Singapore Polytechnic (SP) is Singapore's first polytechnic. Its 10 academic schools offer 50 full-time diploma courses for its 15,970 students and courses are kept relevant through close links with industry and government bodies, as well as with various overseas institutions.

SP offers broad-based, multi-disciplinary and flexible curriculum dedicated to hands-on experience. It is committed to the development of its applied research and development capabilities to enhance the quality of teaching and commercialisation efforts. Through Design Thinking, SP offers a revolutionary approach to education, allowing its students to look at problems from different perspectives, and strike a dynamic balance between intuitive and analytical thinking to provide impactful solutions.

Among SP's 166,800 graduates are successful entrepreneurs, top executives in multinational and public-listed corporations, and well-known professionals, many of whom are captains of industries, university professors and researchers, and leaders in government.

SP is the first polytechnic to be awarded the President's Award for the Environment in 2010 and the President's Social Service Award in 2011.



TEMASEK POLYTECHNIC

www.tp.edu.sg

Established in April 1990, Temasek Polytechnic (TP) is a significant contributor to the field of para-professional education in Singapore. Situated in the east of the island, the campus sits on a 30-hectare plot of land fronting the scenic Bedok Reservoir.

TP currently offers 53 full-time diploma courses in the areas of applied sciences, business, design, engineering, humanities & social sciences, and informatics & IT to around 15,000 students. We also offer over 40 part-time courses, up to the Advanced Diploma level. Both local and overseas universities have accorded the TP Diploma advanced standing towards degree studies.

Our students undergo a learning system that is holistic, equipping them with life skills and relevant knowledge that can keep them in good stead as they join the workforce. Since 1997, TP has been a champion of the Problem-based Learning approach which promotes independent study, self-reflection and creative thinking - qualities that will give our graduates a distinct advantage over others in an ever-changing economic landscape.

For our commitment to world-class education, we have received the People Developer Standard, the Singapore Quality Class, ISO 9000 and ISO 14000 certifications, the Public Service Excellence Award and the Singapore Family Friendly Employer Award.

CONFERENCE PROGRAMME

GUEST-OF-HONOR:

MR TEO CHEE HEAN

Deputy Prime Minister, Coordinating Minister for National Security and Minister for Home Affairs

TUESDAY
6 Nov 2012

MORNING

9:00am - 9:30am
Opening Ceremony

10:15am - 10:45am

Keynote Address

MR MARC S. TUCKER

President & CEO, National Center on Education and the Economy,
Washington, D.C.
USA

10:45am - 1:30pm

Governance & Leadership

AFTERNOON

2:45pm - 6:00pm

Partnerships & Collaborations with Government & Industry

WEDNESDAY
7 Nov 2012

9:00am - 9:30am

Keynote Address

MR BRUCE POH GEOK HUAT

Director & CEO, Institute of Technical Education
Singapore

9:30am - 12:45pm

Curriculum & Pedagogy for Authentic Learning

2:15pm - 5:30pm

Innovations in TVET

THURSDAY
8 Nov 2012

9:00am - 4:00pm

Executive Immersion Programme

FRIDAY
9 Nov 2012

9:00am - 4:00pm

Executive Immersion Programme



TEMASEK FOUNDATION, SINGAPORE

www.temasekfoundation.org.sg

Temasek Foundation is a non-profit philanthropic organisation anchored in Singapore that seeks to contribute to sustainable growth and a bright future of hope and opportunities for people in Asia. The foundation works with partners to support programmes that develop people through health care, education and research, programmes that build bridges between peoples, programmes that build institutions of excellence through governance and ethics, and programmes that rebuild lives and livelihoods affected by natural disasters.

For registration or more information, please visit

www.TVETSingapore.com

“ The resources devoted to vocational and technical training are immense and the vocational and technical system is perhaps the best in the world – a significant element of the Singapore success story.

In many countries, technical education is looked down upon as a dead-end option, of low quality and typically out of step with the changing needs of employers. But vocational education has been an important pathway in Singapore’s journey to educational excellence. ”

Strong Performers and Successful Reformers in Education: Lessons from PISA for the United States
Organisation for Economic Co-operation and Development Publication 2010