

**GSTC-SATTECH 2010
DRAFT CONFERENCE PROGRAMME**

Venue: Singapore

Opening Ceremony

Day 1, Thursday, 28th January 2010

7.30 AM	Registration and Welcome Coffee
9:00 AM	Opening Video & Welcome
9:10 AM	Opening Address by Guest of Honour
9:30 AM	Keynote Address 1
9:55 AM	Keynote Address 2
10:20 AM	Coffee Break & Networking Sessions
10:35 AM	Panel Discussion – International Space Agencies & Key Industry Representatives
	<p>A C-Suite, top-level management discussion that will dissect current international trends, budget considerations, motives and where we see ourselves over the next decade. Come hear from space agency chiefs on their perspective and national directions, the continual pursuit of internationalisation, and engaging the critical industry arm that supports the global space programmes.</p> <ol style="list-style-type: none"> 1. Engaging Asia – East meets West in Space programmes 2. Where space budgets should be allocated – Scientific missions Vs. Exploration 3. International collaborations on Moon and Mars Missions 4. Increasing reliance on subcontractors for complex programmes – Maximising the value of industry inputs 5. International Space Station – A success story of true internationalization
12:35 PM	Lunch
1:35 PM	Panel Discussion – Regional Space Agencies & Industry Representatives
	<p>East Meets West. The centre of gravity shifts in this panel as Asia’s emerging top guns share on latest updates, developments and collaborative interests. Hear from regional space players on how supply chains are being built, satellite project roadmaps and how the financial burdens will be tackled in a new economy, post-financial meltdown. 2010 will see an influx of EO specialists that will debate on the necessity of enhancing disaster monitoring, urban solutions initiatives and climate change.</p> <ol style="list-style-type: none"> 1. Asia Pacific’s strategic roadmap in Space 2. Space - another economic pillar for sustainable growth 3. Emerging markets in Asia for Space applications 4. Space technology developments in the Middle East 5. Earth observation and disaster monitoring initiatives in SE Asia
3:35 PM	Coffee Break
3:50 PM	Panel Discussion – Industry Representatives & VC/Finance Institution Representatives
	<p>Strategic Defence, Homeland Security and latest technology developments. This panel is where our industry big-wigs square off to showcase state-of-the-art systems that span the defence and commercial ecosystem.</p> <p>Not forgetting the Bottom-Line: Financing complex systems is tough enough; finding the right partners is a greater challenge. GSTC-SATTECH 2010 brings to you the industry’s financiers, VCs and best practices to make your programmes financially sound and sustainable.</p> <ol style="list-style-type: none"> 1. Space-borne defence systems - A strategic national interest 2. Rising trend of satellite constellations 3. Financial intelligence for space industry leaders 4. Blending ITAR with new international business opportunities 5. Space commercialisation – A new ecosystem of SMEs and game-changers 6. Building up the next generation of talent for the space industry
5:50 PM	Adjourned for Opening VIP Cocktail

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Day 2, Friday, 29th January 2010

7:30 AM	Registration and Welcome Coffee	
9:00 AM	Keynote/Featured Speaker 1	
9:25 AM	Keynote/Featured Speaker 2	
9:50 AM	Keynote/Featured Speaker 3	
10:15 AM	Coffee Break	
10:30 AM	Space Technologies	
10:30 AM	<p>Satellites and other Space bound entities are heavily hardware orientated. In this segment, we are seeking to explore the basic hardware and infrastructure aspects like Payload development, Antennae and Communication - both space and ground , Platform - the size, the development and the complexities and last but not least, the Launch technologies currently in place.</p> <ol style="list-style-type: none"> Affordable Launch Systems and The Developing World Integrated Launch Services – Overview and Impact on Customers New & Replacement Satellites - Technology Developments & Upgrade Challenges Hybrid Configurations – The Challenges for the Satellite Ground Segment Commercial Space Exploration – A Public/Private Partnership Initiative? 	
12:35 PM	Lunch	
13:35 PM	Defence & Security	Emerging Satellite Based Applications
13:35 PM	<p>Space is fast becoming a good vantage point to monitor Defence and Security of countries and regions. In this track, we seek to explore the complex utilisation of Satellites and its technologies in the area of Defence and Security. Interestingly the Space Domain is an ideal place to keep an eye on the vast Oceans around the world and this is also explored in the Defence and Security Track.</p> <ol style="list-style-type: none"> Bandwidth Efficiencies –Comms on the Move “Dual Use” Technologies – Vision to Reality Contribution of Advances in Satellite Technologies to Homeland & Maritime Security 	<p>This track seeks to look into the emerging applications like AIS, GPS, new and advanced Remote Sensing (optical and radar). This track would also like to explore the new utilisations of Remote Sensing like Tracking Forest fires, Climate Change, Disaster Tracking and Support.</p> <ol style="list-style-type: none"> AIS – Space Based Air Traffic Control System – A Reality? GPS – Developments and Advances Advances in Remote Sensing Applications Environmental Surveillance, Crisis Operations & Management
15:15 PM	Coffee Break	
15:30 PM	Advances in Satellite Technology	
15:30 PM	<p>Satellite technology is getting more complex. Several new initiatives exist in the Microsatellite domain and the availability of Microsatellite technology allows organisations to plan Satellite Constellations. The Satellite Constellations and the need to have it up and running quickly create the need for new and more innovative Launch Technologies. The technology of power for Satellites is a hot topic for study and management. With the advent of better hardware and technologies, new and more interesting applications can be developed and made available.</p> <ol style="list-style-type: none"> Microsatellite Constellations – Applications & Services Satellite Constellations – 2010 and Beyond Advanced Power Solutions for Satellites Earth Observation – SAR vs. Optical 	
5:30 PM	Adjourned for Proposed Gala Dinner	

**GSTC-SATTECH 2010
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Day 3, Saturday, 30th January 2010

7:30 AM	Registration and Welcome Coffee
08:30 AM	Session on Commercial Space Transportation
	<p>The advent of commercial space transportation and the business of space tourism will be covered in this highly engaging panel of experts. What's new on the horizon, game-changing technology, regulating the industry and a whole array of applications will be thrashed out. Discover who is leading the way.</p> <ol style="list-style-type: none"> 1. The race to make space transportation economically viable 2. Challenges to the Space tourism industry: A chessboard of technology and finance pieces 3. Manufacturing space planes: What is your supply chain model? 4. Possibilities of Satellite deployment, R&D and other after-market services 5. Regulating the industry: What the rule book says
10:35 AM	Coffee Break
10:50 AM	Session on Commercial Spaceport Operations
	<p>This session will cover emerging Spaceport locations, operators, and the management teams behind the scene. Discussions will centre on international legislation, business models, government support and how point-to-point transportation evolves this century's logistics business. A particular focus will be on Asia's High Net-Worth Population: An untapped potential that could seriously impact your business.</p> <ol style="list-style-type: none"> 1. Spaceport Operations – Private sector leadership Vs. Government Regulation 2. Financing a space tourism company – Build, Own, Operate and Manage? 3. Opportunities in Asia for spaceport operators 4. Reigning in interest from Asia's High Net-Worth Individuals 5. Point – to – Point transportation – A game changer in logistics
12:55 PM	Lunch
14:00 PM	Knowledge & Interest Based Session
	<p>Education programme designed to spur youth in science & engineering fields. Speakers keen to participate should contact GSTC-SATTECH 2010 conference organisers.</p>
16:00 PM	END of Session