



MEDIA RELEASE

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A*STAR to showcase breakthrough technologies at CommunicAsia 2010

Visit booth #3D-01 in Hall 3 to see demos of the latest A*STAR's technologies that connect people, enrich lifestyle and enhance enterprise operations

The Singapore Agency for Science, Technology and Research (A*STAR) will be at CommunicAsia 2010 to showcase more than ten innovative market-ready technologies, from 15 to 18 June 2010 at Singapore Expo Hall 3, Booth 3D1-01.

Amongst the technologies making their debut at the mega ICT event are a group of personal 3D entertainment technologies developed by researchers from A*STAR's Institute for Infocomm Research (I²R). These technologies can be integrated into a number of products and services that will further the creation and enjoyment of 3D in the home. The **Dance! 3D**, for example, simulates a dance floor environment and allows a player to have a natural and intuitive live dance interaction with customisable virtual characters. Meanwhile, the **3D Face Modelling Web service** takes a 2-dimensional frontal portrait image and instantaneously processes it into a full 3-dimensional face object file that can be incorporated into games, virtual worlds, and other applications involving photo-realistic human avatars.

These are just two of the many equally impactful A*STAR's technologies that will be showcased at CommunicAsia 2010. Exploit Technologies, the commercialisation arm of A*STAR, will be available onsite to discussion collaboration and licensing opportunities.

Mr Philip Lim, Chief Executive Officer of Exploit Technologies, said, "A*STAR is showcasing a very strong pipeline of market-ready technologies in the upcoming CommunicAsia. The focus on infocomm technologies that enhance lifestyle, communications and enterprise operations is in line with the

market's new growth areas. We strongly encourage all industry players to visit our booth at CommunicAsia to explore potential collaboration opportunities. It is only by working together that we can maximise our commercialisation success and get good technologies into the marketplace."

Added Prof Lye Kin Mun, Acting Executive Director of I²R, "With today's lifestyle needs, any solution that benefits or enhances the end-user experience are very much sought after in this fast paced world. These practical solutions from our R&D efforts will be showcased at this exhibition. In addition, I²R seeks to develop new Infocomm and media technologies that serve up the best experience by improved connectivity, interactivity and enhanced communications for our global partners"

The exhibition will have on display and for licensing, technologies in three main application areas, namely:

a. Lifestyle

- 3D Face Modelling Web service
- Dance! 3D
- Intelligent Gesture-based Information Kiosk
- Network-Adaptive Audio Streaming in HD based on MPEG-4 SLS Scalable Lossless
- Scalable Media Gateway (powered by A*SMP)

b. Communications

- Active Tag and System
- Flexible RFID Middleware
- Fault Diagnosis Module for Optical Networking Terminals
- Maritime Mobile Mesh Network

c. Enterprise

- Digital forensic evidence & file recovery system

Besides the ten technologies, a group of A*STAR's start-ups and licensees will introduce their products and services at the event. These include Compex Systems Pte Ltd, FXMedia Internet Pte Ltd, iTwin Pte Ltd, Knorex Pte Ltd, Signature Music Technologies Pte Ltd, Niometrics Pte Ltd and XYZ Wave Pte Ltd.

All media representatives and photographer/film crews are cordially invited to visit A*STAR's booth at CommunicAsia 2010, from **15 to 18 June 2010 at Singapore Expo Hall 3, Booth 3D1-01.**

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Annex A: Catalogue of technologies available for licensing

Annex B: Information on A*STAR's start-ups and licensees

AGENCY OF SCIENCE, TECHNOLOGY AND RESEARCH (A*STAR)

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About the Agency for Science, Technology and Research (A*STAR)

A*STAR is the lead agency for fostering world-class scientific research and talent for a vibrant knowledge-based and innovation-driven Singapore. A*STAR oversees 14 biomedical sciences, and physical sciences and engineering research institutes, and nine consortia & centres, which are located in Biopolis and Fusionopolis, as well as their immediate vicinity.

A*STAR supports Singapore's key economic clusters by providing intellectual, human and industrial capital to its partners in industry. It also supports extramural research in the universities, hospitals, research centres, and with other local and international partners.

For more information on A*STAR, please visit www.a-star.edu.sg.

About Exploit Technologies Pte Ltd

Exploit Technologies is the strategic marketing and commercialisation arm of the Agency for

Science, Technology and Research (A*STAR). Its mission is to support A*STAR in transforming the economy through commercialising R&D. Exploit Technologies enhances the research output of A*STAR scientists by translating their inventions into marketable products or processes. Through licensing deals with industry partners and spinoffs, Exploit Technologies is a key driver of technology transfer in Singapore. It actively engages industry leaders and players to commercialise A*STAR's technologies and capabilities, bridging the

gap from Mind to Market. Exploit Technologies' charter is to identify, protect and exploit promising intellectual property (IP) created by A*STAR's research institutes.

For more information, please visit www.exploit-tech.com.

About Institute for Infocomm Research

The Institute for Infocomm Research (I²R - pronounced as i-squared-r) is a member of the Agency for Science, Technology and Research (A*STAR) family. Established in 2002, our mission is to be the globally preferred source of innovations in 'Interactive Secured Information, Content and Services Anytime Anywhere' through research by passionate people dedicated to Singapore's economic success. I²R performs R&D in information, communications and media (ICM) technologies to develop holistic solutions across the ICM value chain. Our research capabilities are in information technology, wireless and optical communication networks, interactive and digital media; signal processing and computing. We seek to be the infocomm and media value creator that keeps Singapore ahead.

Website: www.I2R.a-star.edu.sg.

Annex A: Catalogue of technologies available for licensing

Please refer to separate set of technology information sheets enclosed.

Annex B: Information on A*STAR's start-ups and licensees

1. Compex Systems Pte Ltd

Compex is primarily focusing in OEM/ODM supply of network communication systems and broadband wireless systems (including but not limited to hotspot/hotzone access management systems, outdoor systems for wireless infrastructures, subscriber units and indoor mesh systems) via board-level supplies and complete product builds.

2. FXMEDIA Internet Pte Ltd – Strategic Solution for the Digital Economy

FXMedia Internet Pte Ltd is a company that provides web and mobile solutions for corporate enterprises and government agencies in Singapore.

It was founded in 1994 with its initial roots in multimedia design and interactive media development. In 2008, the company setup an independent division mainly for web application and FXMedia Internet Pte Ltd was born.

Since then, FXMedia has been creating solutions for top companies to improve business processes.

3. iTwin Pte Ltd

iTwin is a novel consumer device that makes data access Simple and Safe. Comprising two identical parts called 'Twins', iTwin connects two computers by plugging a Twin into each. Once connected, each computer can then remotely access data on the other one.

Using iTwin is just like using a cable to connect two computers, except that there is no actual cable. The two computers can be anywhere in the world – all that is required is that the computers be online. In effect, iTwin uses the Internet as the 'cable' between the two computers, with the Twins being the two ends of the 'cable'. iTwin is a 'first-of-its-kind' and will launch at iTwin.com on Sep 1, 2010.

iTwin was begun as a project, codenamed TwinUSB, within A*STAR in 2008 by Lux Anantharaman and Kal Takru. It is based on patent-pending Twin technology. iTwin is the first Singapore Start-up to be selected for TechCrunch50, the premier Start-up event in the world.

For more information, please visit www.iTwin.com or booth 5D 1-12 at CommunicAsia 2010.

4. Knorex Pte Ltd

Knorex Pte Ltd is a spin-off from A*STAR's Institute for Infocomm Research. Based in Singapore, Knorex is a privately-held software development company specialized in the development of knowledge discovery applications using Semantic Technologies. We offer companies and individuals a complete and flexible platform for easy acquisition, aggregation, heterogeneous integration and reasoning of proprietary and externally acquired data to enable smarter knowledge discovery and better intelligence. Highly modular and customizable, integrated access and intuitive, our software makes it easy and simple for even non-expert or non-technical users to engage in expert-intensive domains to efficiently and effectively make sense of their data and resources to gain competitive edge, deeper understanding of their operation/activities, or to uncover new opportunities for growth or better use of resources.

For more information, please visit www.knorex.com.

5. Signature Music Technologies Pte Ltd

Signature Music Technologies Pte Ltd is a spin-off from A*STAR's Institute for Infocomm Research. Based in Singapore, Signature Music develops software products that leverage the Scratune technology which can turn short spoken phrases into unique personalized music. Signature Music would be planning to market and distribute these products through various channels including social applications on social networks.

6. Niometrics Pte Ltd

Niometrics Pte Ltd is a spin-off from A*STAR's Institute for Infocomm Research. Founded in May 2009, Niometrics is a fast growing networking and security company with a strong focus on R&D and innovation. Our core expertise is in layer-7 network traffic analysis technology, with applications in enterprise network audit, policy enforcement, traffic management, and data leakage prevention. Niometrics' mission is to help security-conscious organizations protect their networks in an ever-evolving landscape of external as well as internal security risks. Niometrics also partners with vendors and customers in sensitive industries in R&D to deliver tailored security and traffic analysis solutions.

For more information, please visit www.niometrics.com.

7. XYZ Wave Private Limited

XYZ Wave Private Limited is your friendly interaction company. We leverage on the creative use of 3-D Gesture Recognition, Augmented Reality and Video Gaming technologies to help our clients and partners to design and deliver immersive user experience that connect and engage their customers effectively.

XYZ Wave is a fresh start-up with the vision to design and develop gesture-based interaction solutions for the out-of-home (OOH) market. SPRING Singapore supports this vision and has awarded XYZ Wave the Proof-of-Value grant under its Technology Commercialisation Enterprise Scheme (TECS).

About Gesture Gaming Goal (Project GGGoal)

PROJECT GGGOAL is the next-generation, controller-free , Out-Of-Home, gesture based solution developed by XYZ Wave in collaboration with A*STAR to help brands and advertisers to engage customers effectively in a fun and immersive way.

For more information, please check out www.xyz.com.sg or contact chee.yue@xyz.com.sg
