UNIVERSITY OF ILLINOIS RESEARCH CENTER IN SINGAPORE

AN OVERVIEW

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University of Illinois Board of Trustees

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Research Center Vision Grows
(the Advanced Digital Sciences Center)
(2005-2008)

• Relationship with Singapore began: sponsored student programs (late 1980’s-early 2000s)

• Agency for Science, Technology, and Research (A*STAR) visits campus and show interest in building research center modeled after College of Engineering’s (COE) Coordinated Science Laboratory (CSL; 2005)

• CSL leadership and researchers visit Singapore and develop concept for major research initiative nurtured through multiple visits, technical workshops, etc. (2005-2008)

• A*STAR suggests significant funding – of ~$50 million – for funding of a new research center (ADSC) to be located in Singapore (2008)
Why an Illinois IT Research Center in Singapore?

- Provide COE and Campus with entry into vibrant Asian technology environment and market
- Provide COE faculty with unique collaborative and funding opportunities for research with high potential impact
SINGAPORE RESEARCH LLC

- New formal legal/corporate structure built due to nature of grant and program
- Nov. 2008 – Illinois BOT approved initial framework for a new university related organization (URO): UI Singapore Research LLC (LLC)... a registered State of Illinois limited liability company
- Dec. 2008 – LLC establishes Illinois at Singapore PTE LTD (PTE) ... a private limited company and subsidiary of the LLC parent company
- Singapore-based PTE permits Singapore business transactions, including receipt of funding
- LLC and PTE each have a board of directors (currently comprised of UI/UIUC principals and designated Singaporeans)
Entity Organizational Chart

University of Illinois Board of Trustees

UI Singapore Research LLC
-Board of Managers-

Illinois at Singapore PTE LTD
-Board of Directors-

Advanced Digital Sciences Center
Advanced Digital Sciences Center (ADSC) — adsc.illinois.edu

- At Fusionopolis – a vibrant research and development complex in Singapore
- Operates under the auspices of the PTE
- Extends a core University strength (Engineering) through a very substantive international research center
- Initial program period: April 2009 – April 2014
ADSC – A University of Illinois Research Center in Singapore

- Research program delivery resides with UIUC College of Engineering via appointment of the Center’s Director and seconding of participating Illinois faculty
- Supported at UIUC by Coordinated Science Laboratory with participating faculty from Computer Science and Electrical and Computer Engineering
- Additionally supported at UIUC by legal, business and financial services, sponsored programs, technology management and other

US$50M, 2009-2014
ADSC – The Research Team

- Interns in 2012
- BS/MS degree holders
- PhD degree holders
- Illinois professors who visit every semester

Plus 8 affiliated PhD students from Illinois, NUS, NTU.
ADSC Core Research

Aims to transform the way people and organizations use and interact with information technology by addressing important and widely recognized research challenges in computer science and engineering

- OVERALL INITIATIVE-
  Human Sixth Sense Program

- RESEARCH THEMES-
  Interactive Digital Media       Smart Grid
Summary: Key Benefits to Campus

• Funding being received by campus to cover costs associated with University’s technical oversight expertise

• Faculty salary time buy-out provided

• Provision of funding and international educational opportunities for graduate students

• Tremendous learning experience operating a large international research center (the University’s largest to date); developing a successful delivery model

• Enhancing University’s core information technology programs; opening new revenue sources through licenses resulting
Summary: Further Reaching Benefits

- Provide University with entry into vibrant Asian technology environment and market – opening avenues of opportunity throughout Illinois

- Provide COE faculty with unique opportunities for international leadership, expanded collaboration and new funding sources

- Research center’s successful emergence globally; the program received a very positive mid-term review in summer 2012

- Strong potential for follow-on A*STAR funding and broadening of support to other Singaporean sources

Enhancing University’s international presence and prestige as a global research leader