Module IS5117

Electronic Government
2013

Outline

- About the Lecturer

- About the Course

- Introduction to e-Government

About Me

Dr. Hing-Yan Lee

Qualifications

• PhD in Computer Science, University of Illinois at Urbana-Champaign

• MS in Computer Science, University of Illinois at Urbana-Champaign

• MSc in Management Science, Imperial College, University of London

• BSc (Eng), 1st Class Honours in Computing, Imperial College, University of London

Career

- Program Director, National Grid Office, IDA
- Deputy Director, National Grid Office, A*STAR
- Principal Scientist, Institute for Infocomm Research, A*STAR
- Managing Director & Founder, eXage Pte Ltd
- Founder, Language Tapestry Pte Ltd
- Director & Senior Member of Research Staff, Knowledge Lab, Kent Ridge Digital Labs
- Deputy Director, Japan-Singapore Artificial Intelligence Center, ITI & KRDL
- Deputy Director, Publishing Sector, Information Technology Institute
- Programme Manager, Information Analysis, ITI
- Programme Manager, National & Special Projects, ITI
- Deputy Programme Manager, Process Engineering, ITI
- Information System Officer, National Computer Board

Other Appointments

- Adjunct Associate Professor, NUS (since Oct 2011)
- Member, Infocomm Technology Standards Committee (ITSC) Cloud Computing Standards Coordinating Task Force (since 2011)
- Co-chair, IDA-WDA National Infocomm Competency Framework (NICF) Technical Committee on Cloud Computing (2010 – 2011)
- Member, IDA-WDA NICF Technical Committee (2007 – 2008)
- Member, IDA Network Infrastructure Resource Panel (2007)
- Advisor, National Archives Board Sub-Committee on Records & Information Management (2006 - 2007)
- Member, Resource Team for A*STAR Technology Scan Panel on "Advancing Science through the Grid" (2004 – 2005)
- Member, IDA Adaptive Enterprise @ Singapore R&D Committee (2004 - 2007)
- Director, Imperial College (Singapore) Pte Ltd (2003 - 2011)
- Advisor, National Archives Board of Singapore (2003 – 2007)
- Member, Australia-Singapore Joint Information Communication & Technology Council (1999 - 2000)
- Member, School of Media & Infocomm Advisory Panel, Singapore Polytechnic (since 1998)
- Member, Archives & Oral History Board, National Archives of Singapore (1997 - 2003)
- Member, NatSteel Corporate R&D Advisory Panel (1996 - 2002)

Professional Activities

- Singapore Computer Society
  - Founding Editor, Information Technology – Journal of SCS (1985 – 1987)
  - Senior Member (since 1999)
  - Vice Chair, SIG on Enterprise Cloud Computing & Virtualization (since 2012)
- Imperial College Alumni Association of Singapore
  - President (2005 – 2009)
- University of Illinois Alumni Association (Singapore Chapter)
  - Founding President (2006 – 2009)
- Gymnastics Support Group (Singapore)
  - Founding Executive Committee Member (2001 - 2005)
- Singapore Gymnastics (National Sports Association for Gymnastics)
  - Founding Honorary Secretary, Executive Committee (2003 – 2005)
- South East Asian Gymnastics Confederation
  - Committee Member (2004 – 2005)

Infocomm Development Authority of Singapore

Singapore: An Intelligent Nation, a Global City, Powered by Infocomm

Infocomm Industry Developer	Government CIO	Sector Transforma-tion	People Sector Enrichment

Infocomm Infrastructure

Manpower Development

Infocomm Security

Infocomm Policy

International Engagement

Technology

Corporate Functions

iDA SINGAPORE

iN2015 < An Intelligent Nation, a Global City, Powered by Infocomm

iN2015 Goals

iN2015< A LIVING PLAN FOR EVERY INDIVIDUAL AND BUSINESS IN SINGAPORE

#1 in the world in harnessing infocomm to add value to the economy and society

2 -fold increase in value-added of infocomm industry to S$26 billion

3 -fold increase in infocomm export revenue to S$60 billion

80 ,000 additional jobs

90 % broadband usage in all homes

100 % computer ownership in homes with school-going children

Cloud Computing Programme

About the Course

Approach

- Students will have to read recommended papers & book chapters that cover general landscape & efforts undertaken in other countries

- Where possible, a guest speaker will be invited to speak about Singapore context & local initiatives

Outline

- About the Course
- Part 1 - Introduction
- Part 2 – Soft Infrastructure
- Part 3 – Hard Infrastructure
- Part 4 – New Engagement Approaches

Part 1 - Introduction

a) Guest speaker: Mr. Tan Lark Yang (Director, Market Unit Group, IDA International)

b) eGovernment in Different Countries

c) Singapore eGov Masterplan

d) Guest speaker: Mr. Tan Sian Lip (VP, Domains & Technology, CrimsonLogic)

Part 2 – Soft Infrastructure

<u>Legal Issues in Managing Information</u>
a) Data Protection Policy
b) Guest speaker: tbc

<u>Issues in Infocomm Security Management</u>
a) Information Classification
b) Singapore Infocomm Security Masterplan
c) Guest speaker: Mr. John Yong (Director, Infocomm Security & Assurance, IDA)

Part 3 – Hard Infrastructure (1/2)

Secure Online Transactions
a) SingPass
b) National Authentication Framework
c) Guest speaker: Mr. Chai Chin Loon (COO, Assurity Trusted Solutions)

Providing Universal Access
a) Next Gen National Broadband Network
b) Guest speaker: Mr. Khoong Hock Yun (Assistant Chief Executive, Infrastructure & Services Development, IDA)

Part 3 – Hard Infrastructure (2/2)

<u>Government Use of Cloud Computing</u>

a) Why Cloud Computing for eGovernment

b) G-Cloud in Singapore

c) Guest speaker: Mr. Lee Kee Siang (Director, Infocomm, NLB)

Part 4 – New Engagement Approaches (1/2)

Open Data

a) Compelling reasons for Open Data

b) Issues & challenges in adoption

c) Guest speaker: Mr. Arthur Lee (Deputy Director, Government Infocomm Governance Division, IDA)

Part 4 – New Engagement Approaches (2/2)

<u>Crowdsourcing</u>

a) Why crowdsourcing
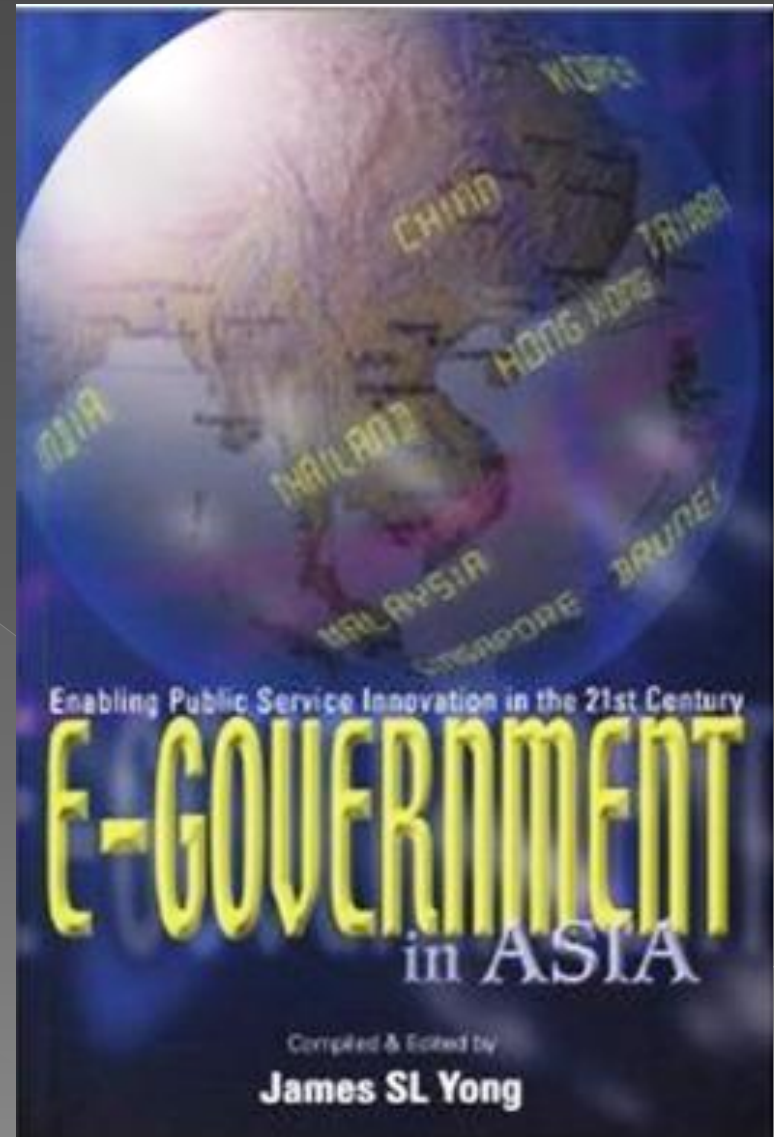b) Challenges in adopting crowdsourcing for eGovernment
c) Guest speaker: tbc

<u>Social Media</u>

a) Why social media
b) Challenges in adopting social media in eGovernment
c) Guest speaker: tbc

Textbook

<u>For the course reading (besides papers in IVLE)</u>

- *E-Government in Asia: Enabling Public Sector Innovation in the 21st Century,* James SL Yong, Marshall Cavendish, 421 pages, 2003 (ISBN 978-9812325914)

Textbook Order

- Email me if you want to buy a copy
- Will consolidate order for publisher
- Cost is $3.20 per copy (including GST)