

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

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

Legal Issues in Managing Information

- a) Data Protection Policy
- b) Guest speaker: tbc



Issues in Infocomm Security Management

- 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)

Government Use of Cloud Computing

- 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)

Crowdsourcing

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

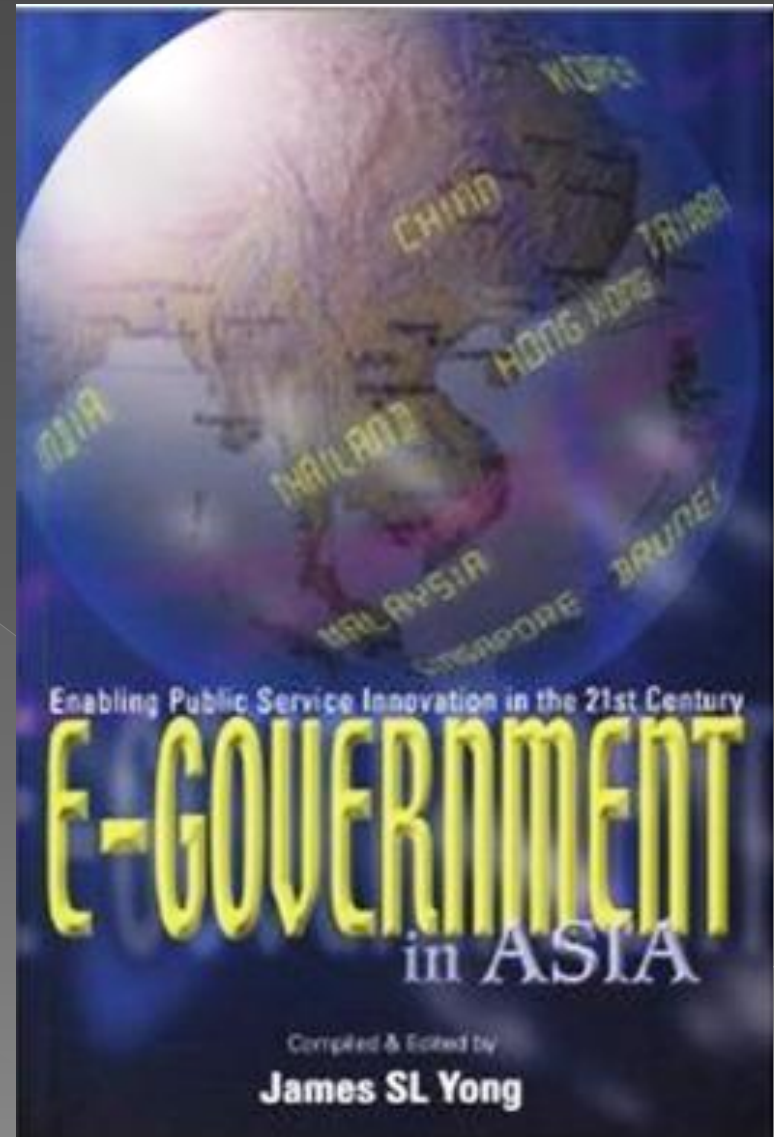
Social Media

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

Textbook

For the course reading
(besides papers in
IVLE)

- *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
- Original price is \$38.00 (before GST)
- Price is \$3.20 per copy (with GST)