



Stephen Wilson experience in Asia

Stephen Wilson is a leading international authority on information security and authentication. He has particular breadth and depth working in Asia, gained from a range of strategic consulting projects, and a long history of e-security policy work at multiple levels of government. Stephen has been engaged by clients in Hong Kong, Singapore, Macau, Malaysia, Indonesia and Kazakhstan – as well as by APEC and ASEAN – to provide analysis and advice on authentication policy, strategy, electronic signature technologies, cross-border transactions, and PKI governance. He was an active member of the Asia PKI Forum for three years, and of the APEC eSecurity Task Group for seven years. He is a widely respected writer and commentator on all issues relating to digital identity, and has a deep understanding of e-signature legal models across Asia. In 2008, Stephen's R&D company Lockstep Technologies made the Asia semi-finals of the Global Security Challenge in Singapore, and in 2010 finished in the top five of the SESAMES Asia smartcard awards in Hong Kong.

Experience in Asia

- **Macau Bureau of Telecommunications Regulation:** Principal Consultant on the development of a strategic cross-recognition framework for digital certificates, including worldwide survey of e-government PKI and applications (2008)
- **Singapore Information Development Authority (iDA):** PKI subject matter expert helping to develop the National Authentication Framework (2006)
- **Kazakhstan Ministry of Internal Affairs:** Principal Consultant advising on the establishment of a national multi-purpose PKI (2006)
- **eASEAN Principal PKI Consultant** in a cross disciplinary team harmonising legal infrastructure and cross border authentication amongst ASEAN nations (2004-2006)
- **World Bank:** commissioned to write a security "landscape scan" across 10 ASEAN nations, and to develop proposals for capability building smartcard projects for Malaysia and Thailand (2005)
- **Hong Kong Stock Exchange:** authentication expert in ISO 17799 review (2003)
- **Indonesian National Certification Authority:** Principal Consultant advising on the proposed INCA strategy, business case, and operational model (2002)
- **Standard Chartered Bank Singapore:** Conducted a survey of e-signature and e-commerce laws across 20 countries in which the bank does business, with analysis of legislative compatibility with Identrus (2001)
- **Cybersign Malaysia:** Principal Consultant for start-up phase of this new CA, focused on CA licensing and e-business application planning (2000)
- **Hong Kong Post:** PKI expert assisting with CA business case review (2000)
- **Hong Kong Govt:** led the team to establish the CA Recognition Office (1999)
- **Asia PKI Forum:** OASIS PKI Technical Committee Liaison member (2004-2008)
- **APEC e-Security Task Group:** active member from 1998 to 2005.

Selected publications & conference presentations in Asia

- *Cartes Asia 2010*: Finalist in the SESAME Asia smartcard technology awards, 2010
- *Embedded PKI: The emerging state of the art* Asia PKI Forum 6th International Symposium, Chengdu, China, July 2006
- *The importance of PKI today* China Communications, Dec 2005 (see www.china-cic.org.cn/english/digital%20library/200512/3.pdf)
- *Relationship Certificates for Known Customers: A new PKI paradigm* Asia PKI Forum 5th International Symposium, Beijing, Nov 2005
- *Data Protection and Privacy Experts Panel* Taipei International PKI Conference, Taiwan, Sept 2005
- *The OASIS PKI Action 2005 Plan and PKI lessons from Australia* Asia PKI Forum Working Group Meetings, Tokyo, Feb 2005
- *Re-thinking PKI* Hong Kong PKI Forum Conference, Hong Kong, 2003
- *Electronic Authentication – Issues relating to its selection and use* (major contributor) APEC eSecurity Task Group, 2002; ISBN: 981-04-7690-6
- *A Comparison of Authentication Technologies in E-business* Asia Business Law Review July 2001
- *Asymmetric Cryptography – Public Key Authentication* APEC E-Security Task Group, 2001
- APEC TEL 23 Telecommunications Working Group, *Problems in Mandating Strong Personal EOI in PKI*, Canberra, 2001
- *Electronic medical documentation of the future* 8th Annual Malaysian National Healthcare Conference, Kuala Lumpur, 2000
- PKI Forum Asia Members Meeting *CFA model for audit based PKI*, Sydney 2000
- APEC TEL 22 Telecommunications Working Group, Member of the Australian Delegation, Bali 2000
- APEC TEL 20 Telecommunications Working Group *A standards accreditation model for managing PKI*, Lima Peru, 1999
- Digital Certification Forum, Singapore, 1999
- Strategic E-Business Asia, Seoul, 1999
- APEC TEL 18 Telecommunications Working Group, Member of the Australian Delegation, Port Moresby, 1998
- CyberPayments Asia, Hong Kong, 1998.