



STEPHEN WILSON

DIGITAL IDENTITY VISIONARY

Steve is a strategic consultant, analyst, researcher and innovator, and one of the most original thinkers in Digital Identity in the world today.[†] He has been a leading figure in the field since 1995, holding influential leadership roles in R&D, engineering, analysis and advice, covering authentication and data protection, cryptography, biometrics, mobile technologies and privacy. His company Lockstep Technologies researches and develops unique privacy-enhancing technologies, and is one of very few non-American firms to be awarded an Identity & Privacy Program development contract by the U.S. Department of Homeland Security. Steve has been retained as lead digital identity adviser by the governments of Australia, Hong Kong, Indonesia, Kazakhstan, Macau, New Zealand and Singapore.

CONTACT

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SUBJECT MATTER EXPERT

- Identity; Authentication
- Cryptography
- Data Protection; Privacy
- Public Key Infrastructure
- Blockchain technologies.

EDUCATION

BSc University of Qld 1982
Physics & Comp Sci.

BEng Hons Uni of Qld 1986
Digital Electronics

PhD UNSW Canberra (in work)
commenced 2017
Ecology of Digital Identity.

WORK HISTORY

2004-now

Lockstep Consulting
Managing Director &
Principal Consultant

2006-now

Lockstep Technologies
Managing Director

2013-now

Constellation Research
VP & Principal Analyst

2014-now

SendGold
CISO

Continued overleaf.

KEY STRENGTHS

- **Vision:** I have been ahead of the curve in identity for over 20 years.
- **Inventive**, with ten patents in digital identity and privacy.
- **Technology leadership.**
- **International** perspective and reputation.
- **Deep multi-disciplined** experience in digital identity across products & systems, infrastructure, engineering, policy & governance.
- **Bold and incisive** communicator, writer and speaker.

AUTHORITATIVE

- U.S. NSTIC Privacy Committee 2012-15
- Mobile World Congress *GLOMO* Awards Judge 2016-18
- Privacy Track Chair for *Identiverse* / Cloud ID Summit 2016-2021
- Australian Law Reform Commission Technology Committee 2007-08
- OASIS PKI Adoption Technical Committee Chair 2007-08
- American Bar Association InfoSec Committee 1999-2002
- Australian National Electronic Authentication Council 1998-2001.

RECOGNISED

- U.S. Homeland Security Science & Technology contracts 2016-19
- Best paper "*How healthy is blockchain?*", HIMSS AsiaPac 17, Singapore
- One World Identity Top 100 Influencers 2017-19
- HIMSS Asia Pacific Best Paper *How healthy is blockchain?* 2017
- Innovate Identity Most Influential Thought Leaders (top 10) 2016
- SESAMES Asia Awards Finalist 2010
- Honorary life member of Australian Information Security Association.

[†]Ref: Tricia Wang, *People Centred Digital Future*, San Jose, 10 Dec 2018, <https://tinyurl.com/pcdf-wang>.

WORK HISTORY cont.

2001-03

SecureNet

Chief Security Specialist,
Acting GM Prof Services

1999-2001

PricewaterhouseCoopers

Director beTRUSTed A/Pac

1997-99

KPMG Certificate Authority

Associate Director

1995-97

Security Domain (Baltimore
Technologies) Dev Manager

1993-95

Telectronics U.S.A.

Head of SW Engineering

1992

Telectronics U.S.A.

Strategic Product Manager

1987-92

Telectronics Pacing Systems

Systems Engineer, Team Leader,
Section Head

1986-87

CSIRO

Experimental Scientist.

COMMITTEES & ASS'NS

Digital Identity Ministerial Advisory
Council, New South Wales

International Association of Privacy
Professionals (iapp)

Standards Australia IT-17

NGO (Confidential) Digital
Vaccination Certificate WG 2021

National Blockchain Roadmap Cyber
Security Working Group 2021

Standards Australia InfoSec
Committee IT-12-4 2004-17

National Strategy for Trusted
Identities in Cyberspace (NSTIC)
Privacy Committee 2012-14

National IT Testing Accreditation
Advisory Committee 2003-14

Australian Law Reform Commission
Technology Committee 2007-08

OASIS PKI Adoption Technical
Committee (Chair) 2007-08

Asia PKI Forum 2005-08

American Bar Association InfoSec
Committee 1999-02

APEC eSecurity Task Group 98-01.

SELECTED MAJOR PROJECTS

U.S. DHS mobile attributes wallet founder & project lead ♦ New South Wales Digital Driver Licence identity lead ♦ AU Trusted Digital Identity Framework adviser ♦ ACCC Consumer Data Right privacy review and identity advice ♦ NSW state government COVID QR code contact tracing PIAs ♦ Australia Post Digital ID privacy adviser ♦ Evernym key management technical adviser ♦ FIDO Alliance AU plenary organiser ♦ Queralt (U.S.) Product Manager & patent adviser for FIDO/PIV-I integration ♦ National Authentication Service for Health (NASH) business case for 600,000 smartcard-based digital IDs ♦ Attorney-General's face recognition privacy impact assessments ♦ U.S. National Strategy for Trusted Identities in Cyberspace (NSTIC) privacy assessment ♦ Aetna (U.S.) consumer biometric privacy plan for rollout to 40 M consumers ♦ Biometrics Institute Privacy Trust Mark market scan, feasibility study & trust mark technical design ♦ Chief Privacy & Policy Officer for U.S. fraud control start-up Confyrm Inc. ♦ Medicare Australia PKI manager ♦ NASH PKI Manager ♦ South Australia Health PKI Manager ♦ IBM blockchain identity product strategist.

SELECTED PATENTS

US 10,164,966 *Decoupling identity from devices in the Internet of Things*

US 8,608,065 *Authenticating electronic financial transactions*

US 8,347,101 *Anonymously indexing electronic record systems*

US 8,286,865 *Authenticating electronic financial transactions.*

SELECTED PUBLICATIONS & PRESENTATIONS

The Identity of Things? We're gonna need a bigger idea! FIDO Authenticate, 2021

Why Isn't Identity Easy? Identiverse 2021

Reframing Digital Identity in the Era of Trust Data GS1 Innovation Summit, 2021

Authenticate the World! FIDO Authenticate, 2020

A PKI-based digital "Yellow Card", IEEE Technology & Society, 2020

A Capability Maturity Model for Data Wallet Technologies, Lockstep, August 2020

Identity: It's the data stupid Identiverse, July 23, 2020

Identity panellist, *ESSENTIALS Security Science Conf*, The Hague, Nov 14-15, 2019

Identity & Governance: Regulation of the construction and use of digital identities,
UNSW The Allens Hub World Legal Summit, Sydney, Aug 1, 2019

Mobile Device Attributes, DHS R&D Showcase Washington D.C. Mar 20, 2019

The Internet & Corporate Responsibility, People Centred Digital Future, San Jose,
2018 <https://tinyurl.com/pcdf-wang>

The Long Road to Identity on the Blockchain, RSA Conference, April 19, 2018

A Digital Identity Stack to Improve Privacy in the IoT, IEEE WFloT, Singapore, 2018

Do Blockchains have anything to offer Identity? Internet Society, 2018

FIDO and the broader identity landscape FIDO Alliance, Sydney, 2017

How Healthy is Blockchain Technology? HIMSS Asia Pac, Singapore, 2017

The future of digital identity, Bankinter Future Trends Forum, Madrid, 2015

Big data held to privacy laws too Nature v519, 414, 26 Mar 2015.