



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 dedicated to digital identity since 1995, holding influential leadership roles in R&D, industry analysis and consulting, covering authentication and data protection, privacy, cryptography, biometrics, mobile technologies and blockchain. His company Lockstep researches and develops unique privacy-enhancing credentials solutions and is one of very few non-American firms to be awarded an Identity & Privacy Program commercialisation 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
- Data Protection; Privacy
- Cryptography
- Public Key Infrastructure
- Blockchain technologies.

EDUCATION

BSc University of Qld 1982
Physics & Comp Sci.

BEng Hons Uni of Qld 1986
Digital Electronics.

WORK HISTORY

2004-now

Lockstep Consulting
Founder & Principal
Consultant

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 25 years.
- **Inventive**, awarded ten patents in digital identity and privacy.
- **Technology leadership**, practiced across multiple industries.
- **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

- NSW Digital Identity Minister Advisory Council, 2021-23
- National Blockchain Roadmap Cybersecurity WG, 2020-21
- U.S. NSTIC Privacy Committee, 2012-15
- Mobile World Congress *GLOMO* Awards Judge, 2016-18
- Privacy Track Chair for *Identiverse* / Cloud ID Summit, 2016-2024
- 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
- B2B News Network Fintech Influencer Index, 2016
- Best paper "*How healthy is blockchain?*", HIMSS AsiaPac 17, Singapore
- One World Identity Top 100 Influencers, 2017-19
- Innovate Identity Most Influential Thought Leaders (top 10), 2016
- SESAMES Asia Awards Finalist, 2010
- Honorary life member, 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

Teletronics U.S.A.

Head of SW Engineering

1992

Teletronics U.S.A.

Strategic Product Manager

1987-92

Teletronics Pacing Systems

Systems Engineer, Team Leader,
Section Head

1986-87

CSIRO Experimental Scientist.

COMMITTEES & ASS'NS

Standards Australia Identity Cards
Technical Committee IT-17

International Association of Privacy
Professionals (iapp)

Australian Information Security
Assoc (honorary life member)

Digital Identity Ministerial Advisory
Council, New South Wales 2021-23

WHO Digital Vaccination Certificate
Working Group 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.

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SELECTED MAJOR PROJECTS

Contracted by U.S. DHS to develop verifiable credentials wallet for first responders ♦ New South Wales Digital Driver Licence identity lead ♦ AU Trusted Digital Identity Framework adviser ♦ ACCC Consumer Data Right privacy review and identity advice ♦ Strategic adviser to Hushmesh Inc. ♦ NSW state government COVID QR code contact tracing privacy impact assessments (PIAs) ♦ World Bank smartcard capacity building plan for SE Asia ♦ eASEAN harmonisation of authentication regulations ♦ Australia Post Digital ID privacy adviser ♦ Evernym (U.S.) decentralised 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; PKI manager ♦ Attorney-General's face recognition PIAs ♦ undertook the first privacy assessment on the U.S. National Strategy for Trusted Identities in Cyberspace (NSTIC) ♦ Aetna (U.S.) consumer biometric privacy plan for rollout to 40M consumers ♦ Biometrics Institute Privacy Trust Mark market research, feasibility study & technical design ♦ Chief Privacy & Policy Officer for U.S. fraud control start-up Confyrm Inc. ♦ Medicare Australia 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

Trust in the Post-Identity World, Identiverse, Denver, June 22, 2022

How to create an infostructure to protect data as a utility, AQ, 93(3), 2022

A Goldilocks point for Digitised Vaccination Certificates Turing Trustworthy Digital Identity Conference, Alan Turning Institute, 2021

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, 2020

Identity: It's the data stupid Identiverse, 2020

Identity panellist, *ESSENTIALs* Security Science Conf, The Hague, 2019

Beyond the Kool-Aid: Blockchain Reality vs. Fantasy, Offshore Alert, Miami, 2019

From identity to safeguarding data supply chains, National Security, Science & Technology Forum, Canberra, 2019

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

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

The Internet & Corp Responsibility, People Centred Digital Future, San Jose, 2018

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

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

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

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.