AUSTRALIAN COMPUTER SOCIETY

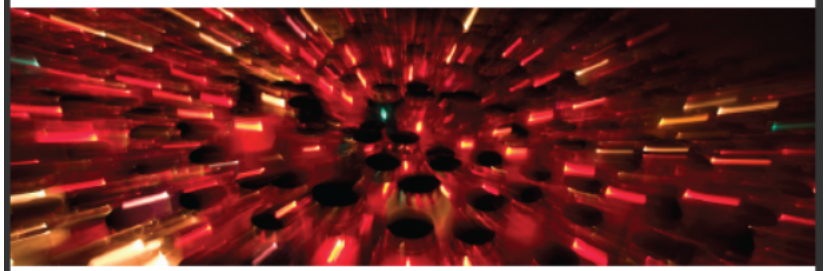
Discussion areas for today

- ACS priority areas for the next twelve months
- Professional development
- CBOK review

ACS focus next twelve months

- Release of Australia's Digital Pulse launched by the Minister for Communications the Hon Malcolm Turnbull on the 16th of June at the National Press Club in Canberra.
- Completion of the CXO Challenge which will result in the Executives Guide for Navigating Digital Disruption for a national road show in August 2015.
- The ReimagiNATION thought leaders summit 17 November
- Completion of the research piece with ANZ, CSIRO, BCG and the Department of Employment on the future of work – due out in February 2016.

Deloitte Access Economics



Australia's Digital Pulse

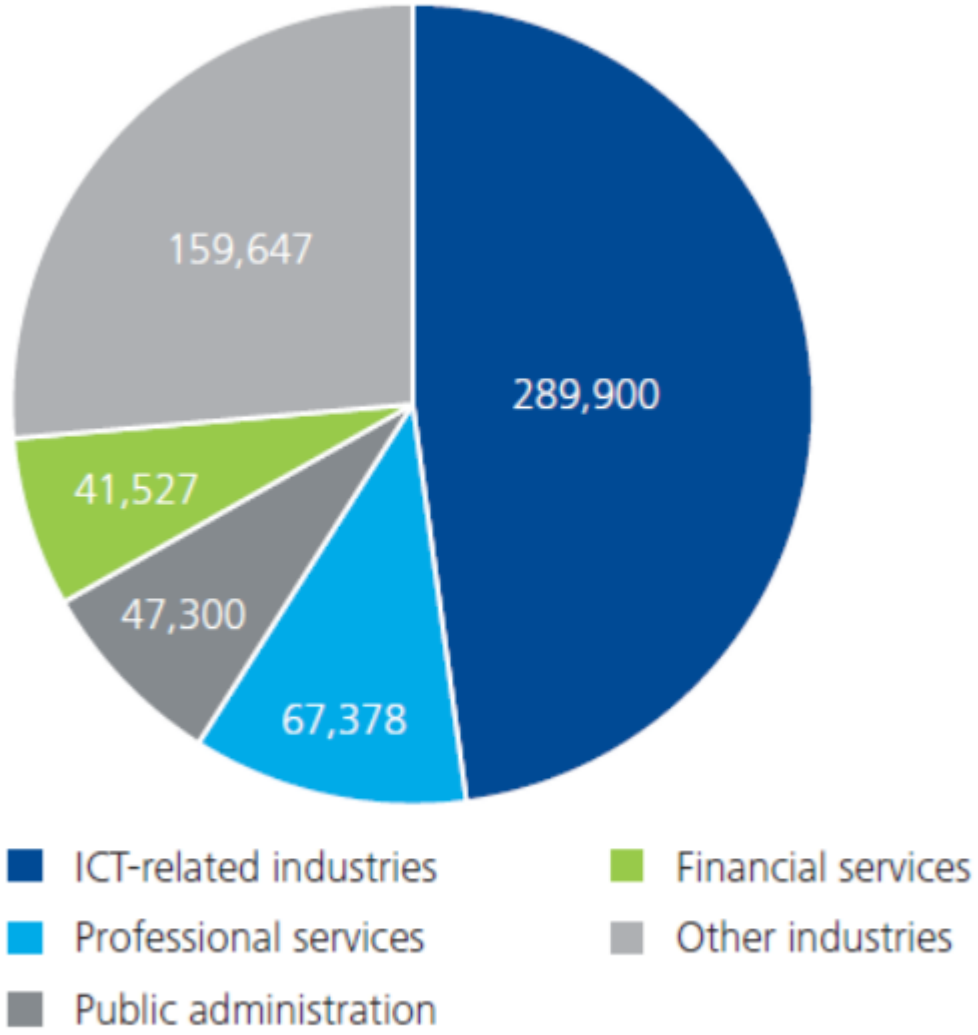
Key challenges for our nation – digital skills, jobs and education

Australian Computer Society, 2015

acs

Deloitte.

Chart 1: ICT workers by industries, 2014



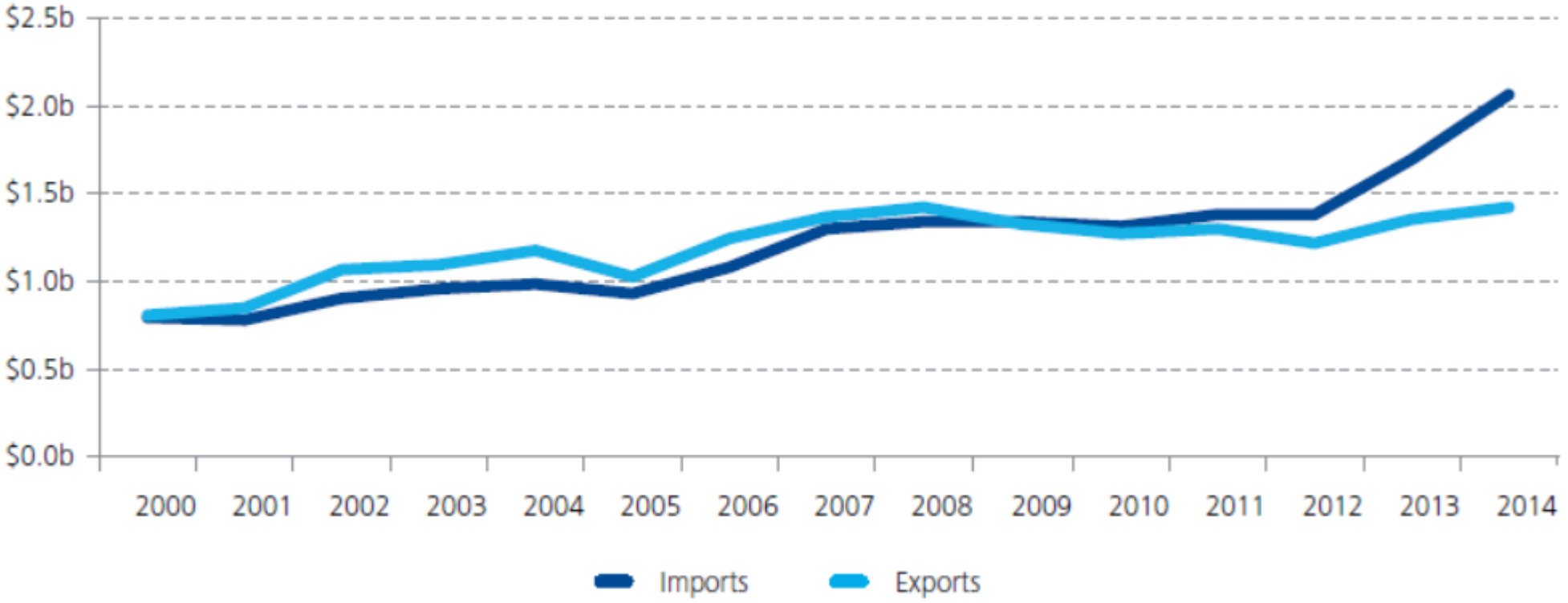
Source: ABS customised report (2015)

Table 1.1: Value-added estimate of the economic contribution of the internet and digital technologies, 2013–14

	Information, Media and Telecommunications	The rest of the market sector	Non-market sector	Total
Total value added	$43.5 billion	$1,160.8 billion	$256.0 billion	$1,460.3 billion
Share of GDP	3%	74%	16%	94%
Internet and digital technologies economic contribution	**$13.0 billion**	**$51.7 billion**	**$14.1 billion**	**$78.8 billion**
As a share of the total economic contribution of the internet	*16%*	*66%*	*18%*	-
As a share of GDP	*0.8%*	*3.3%*	*0.9%*	*5.1%*

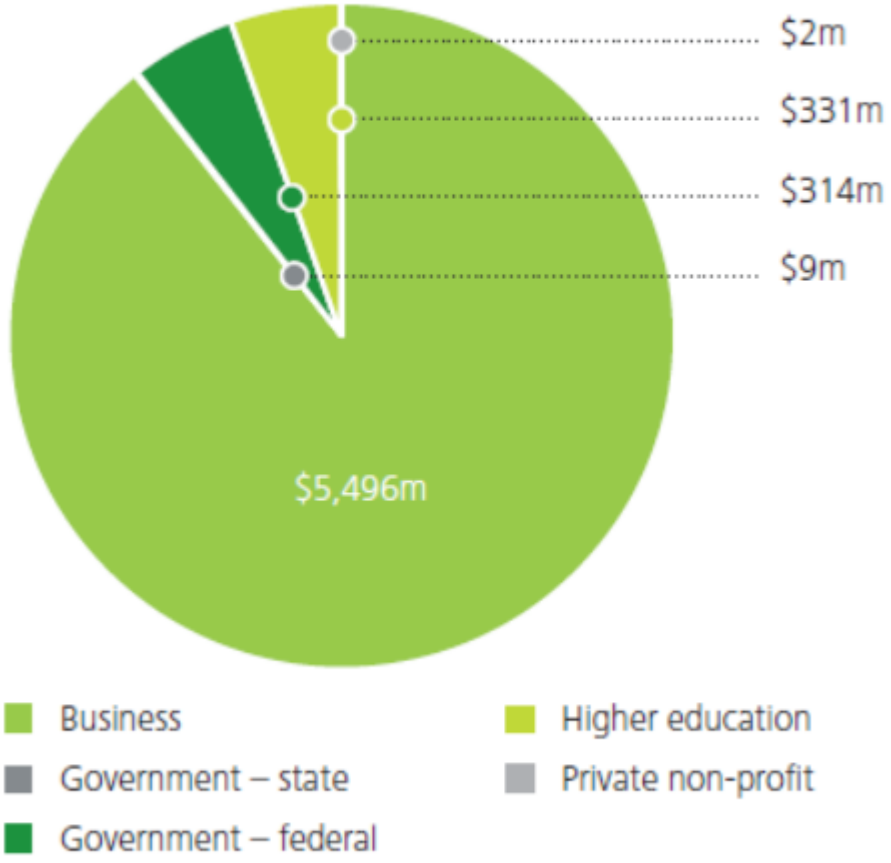
Source: Deloitte Access Economics (2015)

Chart 1.5: Trade in computer services, 2000 to 2014



Source: ABS cat. 5302.0 (2015)

Chart 1.6: Expenditure on ICT research and development, 2011–12



Sources: ABS cat. 8104.0 (2013), 8109.0 (2014), 8111.0 (2014)

Table A.5: ICT employment forecast by occupation, 2014 to 2020

CIIER occupation grouping	2014	2020	Average annual growth
ICT management and operations	184,907	222,080	3.1%
ICT technical and professional	213,107	247,919	2.6%
ICT sales	28,909	35,193	3.3%
ICT trades	80,109	87,148	1.4%
Electronic trades and professional*	3,828	3,939	0.5%
ICT industry admin and logistics support*	94,892	104,205	1.6%
Total ICT workers	**605,752**	**700,483**	**2.50%**

** Employment in these occupations has only been counted for the ICT-related industry subdivisions, consistent with the definitions in Table A.3*

Source: Deloitte Access Economics (2015)

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●●●○○ Telstra 4G 7:31 am

itnews.com.au

CXO Challenge

In partnership with

itnews FOR AUSTRALIAN BUSINESS

acs AUSTRALIAN COMPUTER SOCIETY

CXO Challenge is a landmark study into the strategies and tools Australian organisations are employing to meet the needs of the digital consumer.

Below we profile the country's most influential technology and business executives and discuss disruptive innovation across key sectors of the Australian economy.

Vijay Solanki - Southern Cross Austereo

Australia's digital crescendo

Karen Wagner -

●●●○○ Telstra 4G 7:30 am

reimagination.acs.org.au

Select Page

Digital Disruption – Competitive Advantage – The Jobs of the Future

The Reimagination Thought Leaders Summit will be taking place at The Star in Sydney on 17 November 2015. Reimagination will be the forum that converges experts and digital disruptors from business, government, education and research sectors.

Gain exclusive insights from international and Australian thought leaders. Be part of the conversation on *Reshaping Australia to Prosper in the Digital Future*.

REIMAGINATION

THOUGHT LEADERSHIP SUMMIT 2015

The problem

- How will your business prosper in the digital future?
- How exposed is your business to digital disruptors?
- Where will you find the talent with skills necessary to succeed in the digital economy?
- How will the needs of the digital consumer drive government services?
- What are the blockers and enablers?

Program

Ministerial Address

New business models and value creation in the digital age

MORNING TEA

Panel: Extending Australia's 24th year of uninterrupted annual growth

Jobs at risk of automation and the future of work

Panel: Solving the STEM crisis to assure a prosperous Australia

LUNCH

Panel: Technology as a source of competitive advantage – A Board's Perspective

Panel: Navigating disruption

AFTERNOON TEA

Beyond Automation: Adding Value to the Work of Very Smart Machines

ROOFTOP COCKTAIL RECEPTION

DIGITAL DISRUPTORS AWARDS GALA

Speakers

RESHAPING AUSTRALIA TO PROSPER IN THE DIGITAL FUTURE

REIMAGINATION

THOUGHT LEADERS SUMMIT 2015

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DIGITAL DISRUPTION • COMPETITIVE ADVANTAGE • THE JOBS OF THE FUTURE

Reimagination will be the forum that converges experts and digital disruptors from business, government, education and research sectors. Gain exclusive insights from international and Australian thought leaders.

IT'S HOW WE CONNECT

A3.0

UTS UNIVERSITY OF TECHNOLOGY, SYDNEY

Peter Switzer
Summit MC

Award-winning broadcaster and financial expert. Sky News – Switzer Report

Tom Davenport
Beyond Automation: Adding value to the work of very smart machines.

Professor, Babson College

Peter van Onselen
Invitation-only CXO Roundtable Facilitator

Professor, author, journalist, PhD. Sky News – Australian Agenda

Register today at www.reimagination.acs.org.au

17 November – The Star, Sydney

CONFERENCING

THE STAR
SYDNEY

ACS DIGITAL DISRUPTOR AWARDS 2015

CBOK review

SKILL - Graduate Skill Sets (E.g. as defined in SFIA)		
CORE - Core Body of Knowledge Technology Building Outcomes Management ICT Problem Solving, & Professional Knowledge Technology Resources Services Management	**SPEC - ICT Role Specific Knowledge** Additional knowledge in one or more of the core knowledge areas	**COMP - Complementary Knowledge** Could include knowledge from: · Business · Science · Engineering · Mathematics · Health · Psychology · Education · Government · Economics · Statistics · Humanities

Knowledge Area	Essential	Desirable	Not Important
Problem solving, abstraction, design	77	1	0
Ethics & Professionalism	73	3	0
Teamwork concepts and issues	74	2	0
Interpersonal communication	74	3	0
Societal issues/Legal issues/Privacy	57	21	0
History and status of discipline	20	44	10
Programming	34	39	3
Human-computer interaction	44	31	1
Systems development	48	25	0
Systems acquisition	26	43	6
Hardware and software fundamentals	51	24	2
Data and information management	62	15	0
Networking	33	42	2
Service management	37	32	4
Security management	38	28	8
IT governance	40	28	8
IT project management	65	11	1
Change management	42	31	2
Security policy	34	32	3