

ICT AND THE DIGITAL ECONOMY



“When we look around the world at those cities where innovation is sparking, the thing that is always evident is participation and collaboration between government, research and industry.”

- Sarah Vaughan, Director, Developer and Platform Evangelism, Microsoft Australia.

SOME OF THE ALIGNED INTERNATIONAL CONFERENCES TO BE HELD IN SYDNEY INCLUDE:

- the IEEE International Conference on Smart Grid Communications in 2016
- the Norwegian Developers Conference in 2016
- the IEEE Sections Congress in 2017
- the International Conference on Machine Learning in 2017.



Digital Creative Knowledge Hub

Coordinated by the University of Technology Sydney, the hub is a collaborative partnership that brings the digital and tech start-up community together with businesses, research organisations and government. The aim is to enable businesses within the sector to share knowledge, support innovation and gain an advantage in an increasingly competitive global market. [Click here](#) for more information.

Case study: Institute of Electrical and Electronics Engineers (IEEE) International Conference on Communications 2014

ICC2014 marked the first time the conference was held in Australia. A diverse range of topics from 5G wireless technology, the Internet of Things, home networking and signal processing were featured at the conference.

The conference attracted over 1,500 international communication technology experts, with a large contingent from North America and China. The conference also produced over 2,600 technical and workshop papers submitted from 72 countries.



IEEE International Conference on Communications 2014

DID YOU KNOW:

Google's Sydney office developed Google Maps; that a team in Sydney produced crucial technology at the heart of Wi-Fi; and that Sydney-based Open Kernel Labs has produced software that is deployed in more than 1.5 billion mobile phones worldwide?

NSW

HAS PARTICULARLY STRONG ICT EXPERTISE IN AREAS SUCH AS ONLINE SECURITY, BANKING AND FINANCE, DIGITAL MEDIA CONTENT, WIRELESS COMMUNICATIONS, ROBOTICS AND AUTONOMOUS SYSTEMS, MEDICAL DEVICES, SOCIAL MEDIA APPLICATIONS AND BIG DATA.



NSW leads all other Australian states and territories with ICT research capabilities and has 11 universities producing ICT graduates. In 2013, 32 per cent of ICT graduates came from NSW universities.

64%

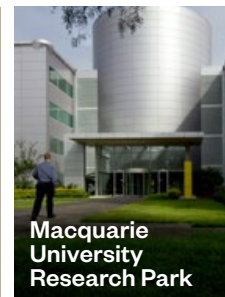
OF AUSTRALIA'S TECHNOLOGY START-UPS ARE BASED IN THE STATE. IN 2013, THE NSW GOVERNMENT LABELLED THE STATE AS 'AUSTRALIA'S INNOVATION POWERHOUSE' AND UNVEILED INNOVATE NSW, A FOUR-YEAR,

\$6.7M

SCHEME AIMED AT BACKING START-UPS.



NSW boasts numerous technology parks that are supported by a culture of innovation and venture capital investment, including: ▶



Macquarie University Research Park



CONNECT WITH TWO THIRDS OF AUSTRALIA'S REGIONAL ICT HEADQUARTERS AND OPERATIONS CENTRES FOR COMPANIES SUCH AS:

IBM, Salesforce, Oracle, Novell, Hewlett Packard, Amazon Web Services, Google, Microsoft and cloud computing provider, Rackspace.

THE STATE PRODUCES AROUND 50 PER CENT OF AUSTRALIA'S ICT EXPORTS – VALUED AT CLOSE TO \$1 BILLION ANNUALLY.

THE ICT SECTOR HAS ACTIVE AND WELL SUPPORTED INDUSTRY ASSOCIATIONS TOO, AND THEY WORK CLOSELY WITH GOVERNMENT TO DEVELOP POLICIES AND INITIATIVES THAT KEEP US AT THE FOREFRONT OF BUSINESS INNOVATION, INCLUDING:

- THE AUSTRALIAN INFORMATION INDUSTRY ASSOCIATION
- THE AUSTRALIAN COMPUTER SOCIETY
- THE AUSTRALIAN INTERACTIVE MEDIA INDUSTRY ASSOCIATION
- COMMUNICATIONS ALLIANCE
- THE AUSTRALIAN INDUSTRY GROUP.