



VOCED_{plus} Pod Network

Harvesting tertiary education research

Related Podlets

This site is being expanded - inactive Podlets will be launched over the coming months.

Continuing education and training
Future of VET
Globalization
Open industry
Industry restructuring
Industry skills
Innovation
Labour market
Language literacy and numeracy
Learning
Performance and productivity
Qualifications frameworks
Return on investment
Self-employment and entrepreneurship
Skill demand
Skills migration
STEM skills
Technology literacy
Training literacy
Workforce planning
Workplace literacy
All Podlets

All Pods

Apprenticeships and traineeships
Career development
Employment
Equity
Financial aspects
Foundation skills
Migration
Pathways
Policy and governance
Providers
Quality
Skills and knowledge
Standards
Students
Sustainability
Teaching and learning
Technology
Workforce development
Youth transitions
Archive

Suggested reading

Key research from a broad date range

- Evidence: skills for competitiveness and economic growth
- Growing the economies of least developed countries: the role of skills and training [International]
- National Skills Development Strategy III [South Africa]
- Policy statement on skills [UK]
- Skills: where are we today? the state of skills and PSE in Canada
- Shaping up skills for new jobs and higher productivity [International]
- Towards a new benchmark on adult skills for sustainable growth: a revision of potential indicators and sub-indicators for monitoring [Europe]

Featured author



Chandra Shah is an affiliate of the Faculty of Education, Monash University and adjunct associate professor in the Centre for International Research on Education Systems, Victoria University. Prior to this he was associate professor (research) in the Centre for the Economics of Education and Training (CEET) at Monash University.

Chandra has a PhD in economics and more than 21 years' experience researching issues relating to the labour market and economics of education. He has worked extensively for state and national governments and other public and private organisations on projects to forecast the supply and demand for qualifications, rates of return to skills, occupational turnover, job mobility, migration, skill shortages, geographical dimensions of social inclusion, and analysis of course completions in VET. Chandra recently completed three reports for NCVER on employer-supported training in Australia. Currently, Chandra is working on a project with the Centre of Policy Studies (Victoria University) to forecast job openings by occupation in Australia, which takes account of the growth in demand and replacement needs. He will soon commence research on skills use at work using data from the Programme for International Assessment of Adult Competencies (PIAAC).

Recent publications

- An overlooked characteristic important in predicting the post-school destinations of young Australians?
- Australia: immigration: the triumph of economics over prejudice?
- Demand and supply forecasts for education in Victorian funded kindergarten services, 2016-2020
- Exact integration of dummy variables in semi-parametric equations
- Geographical dimensions of social inclusion and VET in Australia: an overview
- Incentives for relocating to regional Australia: estimates using a choice experiment
- Labour mobility and mutual recognition of skills and qualifications: The European Union and Australia/NZ/Israel
- National Report on Social Equity in VET 2013
- Private returns to vocational education and training qualifications
- Role of low-level qualifications in Australia's vocational education and training (VET) system
- Skills shortages: concepts, measurement and policy response
- Victorian Teacher Supply and Demand Report 2012 and 2013

Fortcoming

- Employer-supported training: participation, supply and demand
- Employer perspectives on training: new industries
- Analysis of National Workforce Development Fund training brokenw by the Transport and Logistics Industry Skills Council

Collected works and publications by Chandra in VOCEDplus

A list of Chandra's work is also available on his [institutional profile](#)

Pod Network

Harvesting tertiary education research

Skills and knowledge

Skills and knowledge are key aspects of education and employment. Skill can be described as an ability to perform a particular activity that may be developed through vocational training or practice. Knowledge is a familiarity, awareness or understanding that has been acquired through experience or education, knowledge supports and informs skills. Skills and knowledge are at the heart of the education and training system: they are intertwined and often considered from many stakeholder perspectives, including students, workers and employers. Research in this area often centres on current and future capabilities that workers must have to fulfil business or industry requirements with a focus on how the education and training system can help meet these needs. Government and economic perspectives are also central to these considerations.

Research

Access items in VOCEDplus

- Employability
- Employment projection
- Essential skills
- European Union
- General skills
- OECD countries
- Skill demand
- Skills and knowledge

Recent publications

- Australia's digital pulse: key challenges for our nation: digital skills, jobs and education
- Boosting skills for all in the Netherlands
- Bridging the skills gaps in developing countries: a practical guide for private-sector companies [International] **NEW**
- Employment and skills in Finland
- Enhancing employability: report prepared for the 220 Employment Working Group
- Getting skills right: assessing and anticipating changing skills needs [International]
- Getting skills right: Sweden **NEW**
- Job complexity and skill development in the workplace [Europe]
- Learning to be employable: practical lessons from research into developing character [UK]
- Skills at work: Survey of Adult Skills (PIAAC) [New Zealand]
- Skill based learning: necessity for employability [India] **NEW**
- Skills for a digital world [OECD countries] **NEW**
- The global skills landscape: a complex puzzle: the Hays global skills index 2016 **NEW**
- Universal basic skills: what countries stand to gain [OECD countries]
- What does age have to do with skills proficiency? [OECD countries] **NEW**

Resources

General

- Australian federal and state policy documents 2011-2016
- EAPRS industry workforce studies [Australia]
- Comparing European skills and jobs survey data **NEW**
- Closing The Workforce Skills Gap [Infographic] [UK] **NEW**
- Core Skills for Work Developmental Framework [Australia]
- HEART: Skills provision and private sector demand meeting plan [International]
- ILO Asia Pacific Skills and Employability Network
- ILO Skills for Employment Global Public-Private Knowledge Sharing Platform
- Industry Skills Councils 2015 environmental scan [International]
- International Specialized Skills Institute [Australia]

Access items in VOCEDplus

- Labour Market Information Portal [Australia]
- Learning up: how to win in the skills economy [US]
- My Skills: Australia's directory of training
- NESTA interactive Top 30 Skills Chart [UK]
- Science 50/50 [Australia] **NEW**
- Skill shortage lists [Australia] **NEW**
- Skills France [Europe]
- Skills Portal: skills for success [South Africa]
- SkillsTV [Australia]
- UNESCO skills of Literacy [International]
- Where the work is [UK]
- World Economic Forum: Skills stability [International]

Events

Higher Education Academy STEM Conference 2017
12 February 2017
Manchester, England

3rd International Skills Conference
16-17 February 2017
Sarawak, Malaysia

The WITs of Knowledge Management
9 March 2017
Canberra, Australian Capital Territory, Australia

28th FASS Conference **NEW**
19-22 March 2017
Fort Lauderdale, Florida, US

AFQCh 2017 Knowledge Management Conference **NEW**
24-28 April 2017
Houston, Texas, US

11th Organizational Learning, Knowledge and Capabilities Conference **NEW**
26-29 April 2017
Valencia, Spain

7th International Clinical Skills Conference
12-14 May 2017
Pistoia, Tuscany, Italy

53rd Annual National Leadership and Skills Conference
19-21 June 2017
Louisville, Kentucky, US

26th National VET Research Conference (NCVER) **NEW**
17 July 2017
Hobart, Tasmania, Australia

SkillWet Expo
18-20 August 2017
Perth, Western Australia, Australia

44th WorldSkills Competition: Improving our World with the Power of Skills
14-19 October 2017
Abu Dhabi, United Arab Emirates

Help

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- FAQs on the VOCEDplus Help page

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Need more information

- Ask a Librarian

Have you found this resource useful?

- Feedback, comments and suggestions

About the Pod Network

- The VOCEDplus team launched the Pod Network in February 2016
- It is the place to find relevant, quality, targeted knowledge resources presented within themed pages called Pods and Podlets
- 20 Pods reflect the main broad topics of research in VOCEDplus
- 75 Podlets focus on more specific topics
- Contains both Australian and international content
- Access is free to the public

Why use the Pod Network?

- Save time and effort searching for material on your topic
- Keep up-to-date with the latest developments in the tertiary education sector

What's in a Pod?

- Links to related Podlets
- Embedded dynamic search strings
- A diverse range of publications
- News
- NCVER focus including resources and publications
- Links to key organisations and resources
- Upcoming events
- Featured authors who are experts in their field
- Media features such as podcasts and webinars

What's in a Podlet?

- Links to related Pods
- Embedded dynamic search strings
- A diverse range of publications
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The Pod Network is a gateway into VOCEDplus where you can:

- Find scholarly literature from a wide coverage of tertiary education research, policy, practice and statistics
- Employ powerful searching and browsing filters to conduct research
- Download citations
- Generate reference lists
- Explore special collections via topics, organisations or resource type
- Access the Glossary of VET
- Share your findings via social media
- Keep up-to-date with the latest releases
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- Follow VOCEDplus on Twitter
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Podlet: Skill demand

Emerging skill requirements for industry are associated with a range of factors, including structural change, new production patterns, technological change, environmental sustainability, and enhancing competitiveness on global markets.

Research

Access items in VOCEDplus

- LEED papers
- OECD skills strategy initiative
- Skill demand in general
- Structural change
- Technological change

Recent publications

- Australia's digital pulse: key challenges for our nation: digital skills, jobs and education
- Getting skills right: assessing and anticipating changing skill needs [International]
- Meet the skills gap: regional and industry patterns in emerging economies [International]
- New skills for the digital economy: measuring the demand and supply of ICT skills at work [International] **NEW**
- Research and transferability of skills: the impact of skills mismatches in the economy [UK]
- Skill based learning: necessity for employability [India]
- Skill gaps in the workplace: measurement, determinants and impacts [Belgium]
- Skill shortages and gaps in European enterprises: striking a balance between vocational education and training and the labour market
- Skills for a digital world [International] **NEW**
- Skills requirements for the 30 most frequently advertised occupations in the United States: an analysis based on online vacancy data
- The future of jobs: employment, skills and workforce strategy for the fourth industrial revolution [International]
- The global skills landscape: a complex puzzle: the Hays global skills index 2016 **NEW**
- The new basics: why skills matter [International]
- The skilled labour market: a pictorial overview of trends and shortages [Australia] **NEW**

Suggested reading

Key research from a broad date range

- A balancing act at times of austerity: matching the supply and demand for skills in the Greek labour market
- Britain's got talent: unlocking the demand for skills
- Changing occupational and skills demand in Australia: implications for cross-occupational skills transferability for workers in transition
- Readiness to meet demand for skills: a study of five growth industries [Australia]
- The demand for skills: MISOSS: a global supply chain perspective
- The impact of ASEAN economic integration on occupational outlooks and skills demand
- Training for employees: demand greater skill other workers are plentiful? [US]
- Using skills data to measure the demand for skills [International]

Resources

- Australian Government Department of Education and Training (Skills and Training)
- Access items in VOCEDplus
- Comparing the skills gap [International]
- Coding skills forecasts country reports 2015 [European Union]
- Core Skills for Work Developmental Framework [Australia]
- European Centre for the Development of Vocational Training (Cedefop)
- Access items in VOCEDplus
- How to conduct a skills audit and identify skill gaps [International] **NEW**
- ILO Skills and Employability Branch (SKILLS) [International]
- Skill demand - reports from National Centre for Vocational Education and Training (NCVER) [Australia]
- Skills - OECD
- Access items in VOCEDplus
- SkillsWet newsletter [Australia]
- The demand for and impact of the skills gap [International]
- The skilled labour market: a pictorial overview of trends and shortages [Australia]
- UK Commission for Employment and Skills (UKCES)
- Access items in VOCEDplus
- Watch the skills gap [US]

Related Pods

Employment
Industry
Skills and knowledge
Sustainability

All Pods

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NCVER's international tertiary education research database

www.voced.edu.au/pod-network

NCVER

Presented by Tracy Gamlin