

Funded Projects - Industrial Transformation Research Hubs 2017 round 1



Australian Government
Australian Research Council

The Australian Government has announced 3 new research grants under the Industrial Transformation Research Hubs scheme for 2017.

A total of \$9.6 million has been awarded in this 2017 round. [For full outcome data view the Funding Announcements web page.](#)

State	Investigator(s)	Project Summary	Partner Organisations	Administering Organisation	Total Project Funding	Project Duration in years
Victoria	Professor Gil Garnier; Dr Warren Batchelor; Professor George Simon; Associate Professor Victoria Haritos; Associate Professor Antonio Patti; Dr Kei Saito; Professor Sankar Bhattacharya; Professor Hans Griesser; Professor Brett Paull; Associate Professor Nemai Karmakar; Dr Joanne Tanner; Associate Professor Henry Eric SPINNLER; Professor Dr	The ARC Research Hub for Processing Lignocellulosics into High Value Products aims to convert renewable and readily-available biomass material and waste streams from the Australian Pulp, Paper and Forest Industry into new, high-value products that are in high demand in existing and developing markets. The Research Hub will translate leading	VISY INDUSTRIES AUSTRALIA PTY LTD; NORSKE SKOG PAPER MILLS (AUSTRALIA) LIMITED; ORORA LIMITED; PAPER AUSTRALIA PTY LTD; CIRCA GROUP PTY LTD; LEAF RESOURCES LIMITED; DEPARTMENT OF STATE GROWTH	Monash University	\$2,641,142	5

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Richardson; Mr Anthony Mackay; Dr Stephen Carter; Mr Rafik Faltas; Dr Warwick Raverty; Dr Leslie Edye; Mr Dennis Hendriks

biomass conversion into the manufacture of advanced materials that can be used in the industries of the future. Research aims to identify new applications and products. They will be derived from lignocellulose through the advent of new smart paper packaging, green chemical and materials with unique properties. Benefits will flow to the pharmaceutical, chemicals, plastics and food packaging industries.

Victoria	Professor John Grundy; Professor Svetha Venkatesh; Professor Anthony Maeder; Professor Kon Mouzakis; Professor Alison	The ARC Research Hub for Digital Enhanced Living aims to address the growing challenges of aging people	UNISONO PTY LTD; UNITING AGEWELL VICTORIA; MADE IN KATANA PTY LTD; ACH GP PTY LTD; GOACT PTY LTD; C-BORN SOFTWARE	Deakin University	\$2,962,655	5
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Hutchinson; Professor Michael Berk; Professor Ralph Maddison; Professor Abbas Kouzani; Professor Rajesh Vasa; Professor Rafael Calvo; Professor Helen Christensen; Professor Patricia Williams; Associate Professor Dinh Phung; Professor John Yearwood; Professor Susan Gordon; Professor David Powers; Professor Dr Nilmini Wickramasinghe; Associate Professor Niranjan Bidargaddi; Dr Santu Rana; Dr Truyen Tran; Dr Sunil Gupta; Dr Wei Luo; Dr Mohamed Abdelrazek; Dr Felix Tan; Professor Henning	living in their own home or residential care. This will be through inventing new personalised medical technologies through an innovative approach, with a multi- disciplinary team leveraging diverse expertise. An enhanced capacity to create and deploy fit-for- purpose personalised health solutions will result in revenues from new and repurposed devices, analytics and integration platforms. New jobs and improved care will see cost reductions, better use of resources and	SYSTEMS PTY. LTD.; SUPED PTY LTD; ICETANA PTY LTD; 9THDAY; INTERACTIVE FIRST PTY LTD; BLACK DOG INSTITUTE
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Langberg;
 Assistant
 Professor Lars
 Kayser;
 Associate
 Professor Finn
 Kensing;
 Professor Dr
 Freimut
 Bodendorf;
 Professor John
 Hansen;
 Professor James
 Warren; Dr
 Roopak Sinha;
 Professor Alan
 Smeaton; Mr Ian
 Aitken; Mr Fonda
 Voukelatos; Mr
 Jeffrey Fiebig;
 Mr Dean Serroni;
 Mr Christopher
 Farquhar; Mr
 Ramesh
 Nagarajan; Mr
 Benjamin
 Tripodi; Ms
 Jennifer Biggin;
 Mr John
 Fouyaxis; Mr
 Emmanuel
 Gerasimou; Mr
 David Varley; Mr
 Mark Pitcher

enhanced
 mental,
 physical and
 social well-
 being.

Victoria	Associate Professor Xiwang Zhang; Professor	The ARC Research Hub for Energy- efficient	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH	Monash University	\$4,000,000	5
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Huanting Wang; Professor Mikel Duke; Associate Professor Matthew Hill; Professor Gregory Leslie; Professor Joao Diniz da Costa; Professor Stephen Gray; Professor Long Nghiem; Professor Graeme Millar; Professor Lingxue Kong; Professor Shaomin Liu; Associate Professor Ho Kyong Shon; Associate Professor Pierre Le-Clech; Dr Lian Zhang; Associate Professor Andrew Hoadley; Dr Simon Smart; Dr Ludovic Dumee; Dr Aaron Thornton; Mr Bahay Ozcakmak; Mr Peter Bury; Mr GREGORY STEPHEN; Mr Chaoxun Zhao;	Separation aims to develop advanced separation materials, innovative products and smart processes to reduce the energy consumption of separation processes. The Research Hub will create a multi- disciplinary training platform, supplying a highly-trained workforce for the advanced manufacturing sector, particularly in separation technology—a growth area in which Australia can lead the world. The advancement of Australia's capability as a world-leading technology provider in	ORGANISATION; ACTIVATED WATER TECHNOLOGIES PTY LTD; RINLAND ENVIRONMENTAL TECH (BEIJING) CO., LTD; JINLUO WATER PTY LTD; FLOW SYSTEMS PTY LTD; PLASTICS AND CHEMICALS INDUSTRIES ASSOCIATION INCORPORATED; ZEOLITE AUSTRALIA PTY LIMITED; JIANGSU NJU ENVIRONMENTAL TECHNOLOGY CO. LTD; BIRTLEY INDUSTRIAL EQUIPMENT CORPORATION; GIPPSLAND CLEAN ENERGY PTY LTD; WATERWERX PTY LTD; SHANGHAI SEEYAO ELECTRONICS CO LTD
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Mr Rui Zeng;	manufacturing
Professor	advanced
Weiming Zhang;	separation
Professor	materials and
Anthony Fane;	equipment will
Professor	enable
Menachem	Australian
Elimelech; Ms	industry to
Meng Zhuge ;	become more
Professor	energy-efficient
Bingcai Pan;	and cost-
Professor	competitive in a
Shanwen Tao;	global
Mr Michael	economy.
Davies; Mr	
Andrew Horton;	
Mr Alastair	
Lockey;	
Assistant	
Professor	
xiaofeng yang	