

**GLOBAL CONNECTIONS FUND**
**PRIMING GRANT AWARDEES (July 2016)**

	<b>Name</b>	<b>Organisation</b>	<b>Priority Area</b>	<b>Partner Economy</b>	<b>ACTIVITY</b>
Naomi	MATHERS	Australian National University	Adv Manuf	USA	<b>NAOMI MATHERS</b> a researcher from Canberra will engage with a USA based SME. This partnership will develop low cost, high performance instruments for Tyvak's existing high performance small satellite platform, leading to the development of highly capable commercial satellites and the establishment of a Tyvak office in Australia.
Yixia (Sarah)	ZHANG	The University of New South Wales	Adv Manuf	China	<b>YIXIA (SARAH) ZHANG</b> a researcher from New South Wales will engage with an SME based in China. The project will explore avenues for research collaboration and commercialization on a new construction material with superior material properties developed by the researcher. This will bring significant innovative design to civil infrastructures.
Francesco	FIORITO	University of New South Wales	Adv Manuf	Italy	<b>FRANCESCO FIORITO</b> a researcher from NSW will engage with an SME based in Italy. The project aims at partnering with an overseas SME, which has developed sustainable and energy efficient prefabricated buildings. The collaboration is envisaged to foster R&D in building construction- one of the most promising areas in Australian manufacturing sector.
Jae Sung	YUN	University of New South Wales	Adv Manuf	Korea	<b>JAE SUNG YUN</b> , a research from NSW will collaborate with a Korean SME. The partnership is working on the new generation solar cell called "perovskite solar cell" to be commercially manufactured within next 10 years. This Australian-Korean partnership seeks to develop pilot scale systems for the technology and move towards larger scale adoption.
Matthew	HARRIS	Clarity Pharmaceuticals	Adv Manuf	USA	<b>MATTHEW HARRIS</b> , from an Australian SME (Clarity) based in NSW will engage with a researcher at Idaho State University, USA. Clarity and Idaho State University are initiating a collaborative Advanced Manufacturing research project in radiopharmaceuticals with the Coper 67 isotope. Clarity hopes to treat neuroendocrine tumours and neuroblastoma with the technology gained through this partnership.
Qing Nian (Shaun)	CHAN	UNSW Australia	Adv Manuf	China	<b>QING NIAN (SHAUN) CHAN</b> , a researcher from NSW will partner with an SME based in China. The partnership aims to develop next-generation engine management systems for hybrid gasoline-electric vehicles. The new technologies will enable strong efficiency improvement, emission reduction, and will lead to the manufacturing of high-tech engine components.
Zhiyong	CHEN	University of Newcastle	Adv Manuf	China	<b>ZHIYONG CHEN a researcher from</b> NSW will engage with an SME in China. The proposed collaboration will bring advanced control technologies to commercialization of nano-micro positioning systems with higher speed and accuracy. It will contribute to commercial success of future nanotechnology products.

Zhaojun	HAN	CSIRO	Adv Manuf	China	<b>ZHAOJUN HAN</b> a researcher from NSW will engage with a manufacturing SME in China. The collaboration will enable researchers from Australia to be connected to the graphene market in China through the engagements in graphene production at the industrial scale and the application of graphene for energy storage devices.
Jason	HELD	Saber Astronautics Australia, Pty Ltd	Adv Manuf	USA	<b>JASON HELD</b> from an SME based in NSW will engage with a researcher in the USA. This will see a joint training program between US and Australia to leverage new methods of space mission control pioneered by the Australian SME. Seminars will build the collaboration and training which can be rolled out nationally.
Mahyar	SHIRVANIMOGHADDAM	The University of Newcastle	Adv Manuf	UK	<b>MAHYAR SHIRVANIMOGHADDAM</b> a researcher from NSW will engage with an SME based in the UK. This project aims at developing novel communication strategies for the Internet of Things, which connects everything, everywhere, and anytime. This is an essential part of advanced manufacturing, aiming at increasing revenue and service.
Allan	MANALO	University of Southern Queensland	Adv Manuf	USA	<b>ALLAN MANALO</b> , a researcher from Queensland is partnering with an SME in the USA. This project will establish an effective partnership between Australian research and US manufacturer in the area of fibre composites - enabling a better response to global demand for innovative and cost-effective bridge deck replacement systems.
Payam	MOUSAVIOUN	Ozran Scientific Pty Ltd	Adv Manuf	UK	<b>PAYAM MOUSAVIOUN</b> from an Australian SME (Ozran Scientific Pty Ltd) Queensland is partnering with a researcher at Oxford University in the UK. Ozran Scientific Pty Ltd has developed a unique low energy technology for generating ultrasonic waves to agglomerate noxious particles emitted from diesel engines. The company is seeking to establish a validation and collaborative partnership with Oxford University.
Dietmar	HUTMACHER	Biofabrication Design Solutions Pty Ltd	Adv Manuf	Germany	<b>DIETMAR HUTMACHER</b> from an SME based in Queensland will engage with a researcher based in Germany. The proposed collaboration aims to introduce innovative structural testing know-how, equipment and custom software for analysing mechanical properties of 3D-printed medical implants to the Australian advanced manufacturing sector.
Heike	EBENDORFF-HEIDPRIEM	The University of Adelaide	Adv Manuf	USA	<b>HEIKE EBENDORFF-HEIDPRIEM</b> a researcher from SA will engage with an SME based in the USA. This Project will result in a new class of microstructured mid-infrared transmitting fibre which has significant global market potential for laser machining using CO2 lasers
Martin	O'CONNOR	Institute of Photonics and Advanced Sensing, The University of Adelaide	Adv Manuf	USA	<b>MARTIN O'CONNOR</b> , a research from SA will partner with an SME in the USA. Under a new strategic partnership, advanced manufacturing techniques will be applied to Cryogenic Sapphire Oscillator technology to produce field deployable precision frequency systems for phased-array radar, microwave and RF wireless applications

Peipei	JIA	University of Adelaide	Adv Manuf	China	<b>PEIPEI JIA</b> , a researcher from South Australia will be partnering with a Chinese SME. A gold nanomembrane will address image blurring in electron cryomicroscopy by eliminating sample motion during electron irradiation. This would enable structure determination of smaller and more dynamic proteins at higher resolution.
Paul	BURNS	Simplexity Communications Pty Ltd	Adv Manuf	UK	<b>PAUL BURNS</b> from an SME based in SA will engage with a researcher in the UK. The project will involve a low cost wearable antenna platform for wireless Medical Vital Sign Monitors manufactured using advanced techniques and materials. The improved wireless performance will ensure robust and reliable delivery of crucial patient information.
Anton	BLENCOWE	University of South Australia	Adv Manuf	USA	<b>ANTON BLENCOWE</b> a researcher from South Australia will engage with an SME based in the USA. The University of South Australia is partnering with a US based company to bring innovation in the field of 3D bio-printing. This collaboration is expected to support advanced manufacturing and bring new solutions to medical and pharmaceuticals challenges.
Kirsten	ORR	University of Tasmania	Adv Manuf	Vietnam	<b>KIRSTEN ORR</b> a researcher from Tasmania will engage with an SME in Vietnam. A new Australia-Vietnam partnership will be formalised to share cross-cultural ideas about how digital design and advanced manufacturing can add value to architecture in timber and bamboo, addressing issues of environmental and social sustainability.
Michael	BREADMORE	University of Tasmania	Adv Manuf	UK	<b>MICHAEL BREADMORE</b> , a researcher from Tasmania will partner with an SME based in the UK. 3D printing is changing large-scale manufacturing with unprecedented space, but has yet to be translated to small high precision manufacturing. New capability will be developed for millimetre scale integrated components to advance precision manufacturing.
Rebecca	YEE	Biofuel Innovations	Adv Manuf	Switzerland	<b>REBECCA YEE</b> from an SME based in VIC will engage with a researcher from Switzerland. The Research Director from BFI will travel to Zurich to discuss enzymatic catalyst technology capable of processing waste by-products from biodiesel manufacturing. This biotechnology will integrate new product lines in their manufacturing plant
Mark	BOLAND	Australian Synchrotron	Adv Manuf	Netherlands	<b>MARK BOLAND</b> , a researcher from Victoria will partner with an SME in the Netherlands. This project will contribute to developing precision manufacturing for the next generation compact particle accelerators for the benefit of society.
Jian	FANG	Deakin University	Adv Manuf	China	<b>JIAN FANG</b> , a researcher from Victoria is partnering with an SME in China. This project is aimed to develop advanced manufacturing technology for producing high performance electrically conductive elastic fibres for emerging applications such as health monitoring devices, and flexible and wearable electronics.

Karl	POMORIN	KarlTek Pty Ltd	Adv Manuf	Vietnam	<b>KARL POMORIN</b> from an Australian SME is partnering with a researcher in Vietnam. Providing fish passage and monitoring fish movement through man-made barriers such as dams is important in Australia and globally. The partnership will apply technology to permanently monitor fish movement through dams and other structures.
Mladenko	KAJTAZ	RMIT University	Adv Manuf	Germany	<b>MLADENKO KAJTAZA</b> a researcher from Victoria will engage with a German SME. This project aims to improve the rehabilitation of limb and joint injuries by providing an advanced exoskeleton as a technological assistance and enabler to increase mobility and load-carrying capacity of the injured limbs and joints.
Sridhar	RAVI	RMIT University	Adv Manuf	Germany	<b>SRIDHAR RAVI</b> , a researcher from Victoria will engage with an SME based in Germany. Drones are the fastest growing sector of aviation with applications in wide ranging industries. This project aims to significantly improve the aerial prowess of drones by implementing bio-inspired solutions for obstacle detection and navigation.
Tony	DUNCAN	Circa Group	Adv Manuf	Spain	<b>TONY DUNCAN</b> from an SME based in Victoria will engage with a researcher in Spain. This project will investigate the potential for a new sustainable dipolar aprotic solvent to effectively disperse graphene at higher concentrations and lower defect levels than the currently used state-of-the-art solvents
Rangam	RAJKHOWA	Deakin University	Adv Manuf	India	<b>RANGAM RAJKHOWA</b> , a researcher from Victoria will engage with an SME in India. The project will address processing problems of luxury Australian cashmere and alpaca fibres and create ultrafine products for high end international fashion market. It will also produce advanced functional fabrics using Eri silk and animal hairs.
Richard	ALORRO	Western Australian School of Mines, Curtin University	Adv Manuf	Korea	<b>RICHARD ALORRO</b> a researcher from Western Australian will engage with an SME based in the Republic of Korea. A selective purification stage is required for a new gold recovery technology in Korea to be applied in low concentration wastewater containing base metal impurities. The use of magnetite is envisaged to provide solution and process flexibility.
Kit Yan	CHAN	Curtin University	Adv Manuf	China	<b>KIT YAN CHAN</b> a researcher from WA will engage with an SME in China. This project will develop precise technologies for electronic packaging which is essential in semiconductor/LED products, microchips, printed-circuit boards and integrated circuits. The technologies will promote manufacturing of electronic products
Jochen	FRANKE	Treadlie Engineering Pty Ltd	Adv Manuf	Germany	<b>JOCHEN FRANKE</b> from an SME based in WA will engage with a researcher in Germany. The collaboration relates to the development of surface engineering (tribology) characteristics envisaged for Treadlie Engineering's novel friction based V-belt transmission system

Kamal	ALAMEH	Edith Cowan University	Adv Manuf	China	<b>KAMAL ALAMEH</b> a researcher from the Edith Cowan University, WA will engage with the Rocky Development Co., Ltd an SME based in China. ECU will collaborate with Qingdao Rocky Development Co. China on the manufacture of energy-harvesting clear glass panels for use as windows, skylights and facades for green buildings, and for the implementation of sustainable solar glass greenhouses.
Robert	DAVIDSON	University of Canberra	Med Tech	NL	<b>ROBERT DAVIDSON</b> a researcher from Canberra will engage with an SME based in the Netherlands. The project will develop a new method to evaluate image quality in computed tomography (CT) using a contrast-detail phantom and software. The use of this technology will reduce radiation dose and risk to patients undergoing medical CT scans.
Alison	TODD	Speedx Pty Ltd	Med Tech	USA	<b>ALISON TODD</b> from Speedx Pty Ltd, an SME based in NSW will engage with a researcher in the USA. Speedx develops tests for diagnosing infectious diseases and determining antibiotic resistance. The company is seeking help to collaborate with Key opinion leaders in the USA to validate clinical utility and define the US regulatory approval pathway.
James	WELSH	University of Newcastle	Med Tech	Singapore	<b>JAMES WELSH</b> , a researcher from NSW will engage with an SME based in Singapore. Technology based on ultrasound will be developed for powering, communication and control of an active intramedullary bone implant for therapeutic limb lengthening. This will produce better patient outcomes with less hospitalisation required.
John	CANNING	Australian Sensing & Identification (AusSI) Systems	Med Tech	Germany	<b>JOHN CANNING</b> from Australian Sensing & Identification (AusSI) Systems, an SME based in NSW will engage with a researcher in Germany. AusSI Systems has pioneered unique smart-device, smartphone diagnostics to analyse test strips used in medical and food health. It will team up with global leaders in test strip research to grow new global opportunities in new sectors worldwide.
Ramin	ROHANIZADEH	University of Sydney	Med Tech	France	<b>RAMIN ROHANIZADEH</b> a researcher from NSW will engage with an SME based in France. The project will develop a bone substitute material loaded with an anti-cancer drug that will replace cancer-damaged bone tissues. This provides mechanical strength and kills remaining cancer cells, preventing cancer from spreading.
Xiaowen	LIANG	The University of Queensland	Med Tech	USA	<b>XIAOWEN LIANG</b> a researcher from Queensland will engage with an SME based in the USA. This project focuses on collaborate with a leading medium genetic analysis company to develop and optimize ctDNA detection nanoprobe which could be commercialized and routinely applied clinically to diagnose and monitor diverse malignancies.

Yan	LI	University of Southern Queensland	Med Tech	China	<b>Yan Li</b> a researcher from Queensland will engage with an SME based in China. This project will enable an international collaboration to develop and commercialize an advanced medical technology. The research translation relates to an intelligent “depth of anaesthesia” monitor using brain modelling and medical imaging and signal processing techniques.
Yin	XIAO	Queensland University of Technology	Med Tech	China	<b>YIN XIAO</b> a researcher from Queensland will engage with Asia Biomaterials (Wuhan) Co.Ltd an SME based in China. QUT researchers intend to travel to Wuhan, China to work on the collaborative development of a novel design for bone biomaterials recently developed in Prof Xiao's laboratory in partnership with Asia Biomaterials Co. Ltd. China.
Mark	BLASKOVICH	The University of Queensland	Med Tech	USA	<b>MARK BLASKOVICH</b> a researcher from Queensland will engage with an SME based in the USA. This project will tackle the growing threat of antimicrobial resistance by combining the killing power of antibiotics with the selective targeting capability of antibodies, creating a ‘guided-missile’ to seek and destroy drug-resistant bacteria.
C Philip	GABEL	Advise Rehab Software PL	Med Tech	USA	<b>C PHILIP GABEL</b> from an SME based in Queensland will engage with a researcher in the USA. The project seeks collaboration on tools that measure function and risks of delayed recovery in musculoskeletal injured individuals in hospital and rehab centres. By analysing tool accuracy, cost and time efficiency is determined and optimal tools recommended.
Els	MEEUSEN	CancerProbe	Med Tech	Japan	<b>ELS MEEUSEN</b> at CancerProbe an SME based in VIC will engage with a researcher in Japan. Ovarian tumours are the most lethal of all female reproductive cancers. CancerProbe Pty Ltd in collaboration with gynaecological experts in Japan aims to develop a blood test for the early detection of ovarian cancer.
Tuck Wah	NG	Monash University	Med Tech	Singapore	<b>TUCK WAH NG</b> a researcher from Victoria will engage with an SME based in Singapore. The project aims to establish a synergistic partnership to extend a new paradigm in microplate technology using an effective cell based assay mode.
Rocco	IANNELLO	Gordagen Pharmaceuticals Pty Ltd	Med Tech	USA	<b>ROCCO IANNELLO</b> from an SME based in Victoria will engage with a researcher in the USA. We are developing a natural product which assists in muscle recovery by significantly reducing exercise induced muscular pain and improving exercise endurance.
Maya	SYDNEY	Geo9 Pty Ltd	Mining Tech& Services	Germany	<b>MAYA SYDNEY</b> from an Australian SME based in NSW will engage with a researcher based in Germany. This project is a world-first experiment utilising GRACE satellite data in association with newly developed ground-based surveying techniques on the ‘Narraburra’ mineral (critical metals) exploration project.

SHUHONG	CHAI	University of Tasmania	Mining Tech& Services	India	<b>SHUHONG CHAI</b> a researcher in Tasmania will engage with an SME based in India. Development of a miniature remotely operated dredging/ mining tool, working like an underwater ROV, but with a mining cutter and suction system, in crawler or open-frame form operating on the seabed and being controlled by a pilot at the surface.
Kevin	COOK	The University of Sydney	Mining Tech& Services	Brazil	<b>KEVIN COOK</b> a researcher from NSW will engage with an SME based in Brazil. The aim is to improve the maintenance and safety of rail lines that service the mining industry. By careful monitoring of rail strain and temperature, rail deformations can be detected early and train derailments therefore avoided.
Nathan	FOX	University of Tasmania	Mining Tech& Services	USA	<b>NATHAN FOX</b> a researcher from Tasmania will engage with an SME based in the USA. This collaboration will apply portable laser induced breakdown spectroscopy (LIBS) for chemical and mineralogical characterisation to improve mineral exploration, mineral processing and the environmental management of current and future mines.
Jonas	LINDHOLM	KingHill Pty Ltd	Mining Tech& Services	Sweden	<b>JONAS LINDHOLM</b> from an SME based in NSW will engage with researchers at Luleå University of Technology in Sweden. Luleå University of Technology's eMaintenance Lab facilitates international research in mining and rail maintenance. The engagement will discuss how their heavy haul eMaintenance systems can be adapted to Australian conditions – with trials tentatively planned 2016/2017.
Todd	ERICKSON	The University of Western Australia	Mining Tech& Services	USA	<b>TODD ERICKSON</b> a researcher from Western Australia will engage with an SME based in the USA. Seed enhancement technologies involve engineering solutions to enhance plant recruitment success in rehabilitation programs. This project aims to advance a recent invention that removes seed appendages that restrict automated seeding of native seeds.
Anita	PARBHAKAR-FOX	University of Tasmania	Mining Tech& Services	UK	<b>ANITA PARBHAKAR-FOX</b> a researcher from Tasmania will engage with an SME based in the UK. This project will establish a new global best practice standard for kinetic tests by integrating mineralogy, texture and chemistry data. The result will be improved mine waste characterisation and the reduction of environmental mining footprints.
Gang (Kevin)	LI	The University of Western Australia	Oil, Gas Energy	China	<b>GANG (KEVIN) LI</b> a researcher from Western Australia will engage with DKT Energy Technology Co., Ltd. an SME based in China. The collaboration will see a demonstration of Australian technology for natural gas separation in an industrial relevant scale with DKT Energy who have completed engineering tests of our patented Ionic Liquidic Zeolites.
Hua	LI	The University of Newcastle	Oil, Gas Energy	China	<b>HUA LI</b> a researcher from NSW will engage with an SME based in China. The proposed collaboration aims to start a joint project "Selective adsorption of NO from flue gas using advanced solvents".

Gavin	LOYDEN	Queensland Energy & Minerals Pty Ltd	Oil, Gas Energy	China	<b>GAVIN LOYDEN</b> from an SME, Queensland Energy & Minerals (QME) Pty Ltd will engage with a researcher in China. QEM seeks to investigate the use of supercritical water as a method of producing hydrocarbon products or energy from its Julia Creek oil shale resources. The process produces zero emissions and uses very little water and no soil contaminants.
Michael	WOODWARD	University of Tasmania	Oil, Gas Energy	Taiwan	<b>MICHAEL WOODWARD</b> a researcher from Tasmania will engage with Oceanlinx Group, an SME based in Taiwan. Research collaboration between Oceanlinx and the Australia Maritime College is for technological advancement of oscillating water column marine renewable energy devices.
Vanessa	LUCIEER	University of Tasmania	Oil, Gas Energy	UK	<b>VANESSA LUCIEER</b> a researcher from Tasmania will engage with Cellula Robotics an SME in the UK. The University of Tasmania's polar class, deep-water Autonomous Underwater Vehicle will be used to answer key scientific questions and through a strategic partnership with Cellula Robotics will develop physical seafloor sampling technology.
Gary	LYNCH	Air-Gro Pty Ltd	Oil, Gas Energy	USA	<b>GARY LYNCH</b> from an Australian SME based in Queensland will engage with a researcher in the USA. We have developed a patented method to contain, monitor and recover toxic fugitive gases and liquids from leaking coal seam gas wells. We will use computer modelling to refine our system to develop a solution to a potential environmental disaster.
Ashleigh	COUSINS	CSIRO	Oil, Gas Energy	USA	<b>ASHLEIGH COUSINS</b> a researcher from Brisbane will engage with an SME in the USA. This collaboration will enable the development of a sophisticated process modelling tool incorporating a novel liquid absorbent technology developed for removal of CO2 from a variety of gas streams in collaboration with US-based small specialist company.
Paul	FERON	CSIRO Energy	Oil, Gas Energy	USA	<b>PAUL FERON</b> a researcher from NSW will engage with an SME in the USA. This project entails collaboration between an Australian research organisation and a US-based small enterprise with the aim to further develop and commercialise CO2 capture technology for gas treatment and emissions reductions in the energy sector.
Karne	DE BOER	Enerbi Pty Ltd	Oil, Gas Energy	Finland	<b>KARNE DE BOER</b> from an Australian SME will engage with a researcher in Finland. The proposal is to visit a world leading research organisation in Finland with the purpose of establishing a collaborative relationship to assist in the delivery of demonstration project of a novel biomass to electricity technology.
Lian	ZHANG	Monash University	Oil, Gas Energy	China	<b>LIAN ZHANG</b> a researcher in Victoria will engage with an SME in China. The proposed project aims to establish the collaboration with an industrial partner in China, so as to scale-up a novel pyrolysis technology to valorise brown coal and waste tyre into diverse, value-added export-grade products.

Peter	SOLOMON	The Australian National University	Food & Ag	NZ	<b>PETER SOLOMON</b> a researcher in the ACT will engage with a NZ based SME. Weeds are the single most important reason for crop losses globally, causing high management costs and threatening food security. This project will develop sustainable bio-herbicidal solutions for improved weed management to ensure food security.
Zamira	GIBB	The University of Newcastle	Food & Ag	NL	<b>ZAMIRA GIBB</b> a researcher in NSW will engage with an SME based in the Netherlands. The contribution of the stallion to early embryonic death (the most common cause of pregnancy failure in the horse) will be characterised and biomarkers identified to allow breeders to implement targeted strategies to significantly improve fertility
Gregory	LOWE	Lowe's TC Pty Ltd	Food & Ag	Ireland	<b>GREGORY LOWE</b> from an SME based in NSW will engage with Researchers from Ireland. The collaboration will aim to introduce novel selected clones and tissue culture technology for <i>Smallanthus sonchifolius</i> , Yacon, production for the Australian Horticulture Industry
Simon	SOUTHERTON	Gondwana Genomics Pty Ltd	Food & Ag	China	<b>SIMON SOUTHERTON</b> from an SME based in NSW will engage with a researcher in China. Australian-developed DNA selection tools will be demonstrated in eucalypt trials of the China Eucalypt Research Centre. The project will lift the awareness of the technology in China and assist the Chinese eucalypt industry to adopt the technology.
Bernadette	MCCABE	National Centre for Engineering in Agriculture	Food & Ag	Germany	<b>BERNADETTE MCCABE</b> a researcher from QLD will engage with an SME based in Germany. Ultrasound technology based on German know-how will be transferred to Australian food and agricultural industries to boost the efficiency of biogas from waste, resulting in improved waste management and productivity in the food and agribusiness sector.
Jill	HOUSER	Australian Lychee Growers Association	Food & Ag	Taiwan	<b>JILL HOUSER</b> from an SME based in QLD will engage with a researcher/technical specialist in Taiwan. Australia has the geological strength that can supply 'off-season' lychee to Asian & Northern markets. This Taiwan-Australian Co-op Project provides opportunities of agricultural collaboration on lychee issues including with the introduction into Australia of new cultivars from Taiwan.
Simon	TANNOCK	STTI PTY Ltd	Food & Ag	NZ	<b>SIMON TANNOCK</b> from an SME based in QLD will engage with a researcher in New Zealand. The collaboration will aim to develop a novel aeration and mixing system with a 36 per cent energy efficiency that is suitable for the aquaculture and wastewater industries.
Scott	CHAPMAN	CSIRO	Food & Ag	France	<b>SCOTT CHAPMAN</b> a researcher from QLD will engage with an SME based in France. This collaboration will improve utilisation of UAVs (drones) to develop new varieties and better irrigation decisions for growers in the \$2.5 billion Australian sugar and cotton industries and later into fruit and vegetables.

Roger	STANLEY	University of Tasmania	Food & Ag	USA	<b>ROGER STANLEY</b> a researcher in Tasmania will engage with 915 Laboratories, an SME based in USA. Collaboration will be established with 915 Labs to access the expertise and IP that has gone into the development of microwave sterilisation technology for prepared foods and meals in order to add value to Australian local agricultural products.
Christoph	RUDIGER	Monash University	Food & Ag	Austria	<b>CHRISTOPH RUDIGER</b> a researcher from Victoria will engage with an SME based in Austria. The project: Towards a climate-smart Australian agriculture - will aim to provide innovative solutions using Sentinel satellites data in the areas of food security, precision agriculture, crop health monitoring, drought and yield forecasting, and climate change risk mitigation and adaptation.
Jorge	PAZ FERREIRO	RMIT University	Food & Ag	Spain	<b>JORGE PAZ FERREIRO</b> from Victoria will engage with an SME based in Spain. This project aims to improve waste management and soil quality in vineyards. Waste will be pyrolyzed to be transformed in a charcoal. Economic return will be achieved through the diversion of waste from landfills and an improvement in crop yield.