

AdvanceAg

Adopting AgTech in South Australia



Sunday 23 February 2020 - Welcome & Cocktail Event
Monday 24 February 2020 – Main Event & Showcase

[EVENT PROGRAM]

Platinum and
Keynote Sponsor



Supported by:



Presented by:



#AdvanceAg2020

Primary Industries and Regions SA (PIRSA) is proud to present AdvanceAg - South Australia's first AgTech showcase.

AdvanceAg will discuss the latest thinking in AgTech innovation and demonstrate its practical application and benefits on-farm through case studies from fellow producers, AgTech developers, and known industry leaders.

South Australia's primary industries and agribusiness sectors are vitally important to our state supporting 116,000 jobs and contributing \$15.9 billion (gross state product) to the state's economy. Supporting innovation and advancement in the field of AgTech is essential to increase the productivity, growth and sustainability of primary industry sectors in our state.

AdvanceAg provides an opportunity to hear and share ideas on cutting edge technologies from local, national, and global sources. These are ideas that can quickly translate to real-world application for our primary producers and is a key priority area for the South Australian Government.

Disclaimer

The information presented in this book is correct at the time of printing. In the event of unforeseen circumstances, the Organising Committee reserves the right to delete or alter items in the Conference Program. The views expressed by individuals or organisations at this conference do not necessarily represent the views of PIRSA or the sponsors.

AdvanceAg program:

Welcome and networking drinks (optional)

Sunday 23 February 2020

Adelaide Showground, Wayville

5.00pm to 7.00pm

Included in your conference registration

AdvanceAg main event and showcase

Monday 24 February 2020

Adelaide Showground, Wayville

8.30am to 5.00pm



FOREWORD

Message from the Premier

South Australia is home to innovative and forward-thinking primary industries that are the shining light of our State's economy.

As the agriculture industry continues to adapt to the changing face of technology, it is critical that South Australian farmers are investing in the future to increase productivity and profitability.

This is why the South Australian Government is hosting the inaugural AdvanceAg showcase to foster collaboration and encourage greater on-farm adoption of technology.

The Government is committed to increasing South Australia's Gross State Product and, through the 'Growth State' initiative, have set a goal of three per cent annual economic growth. AgTech plays a pivotal role in achieving that growth.

Through showcasing and promoting AgTech innovation, AdvanceAg will inspire a prosperous and profitable future for our primary industries.

Hon Steven Marshall MP
Premier of South Australia

Message from the Minister

Across the world the adoption of technology on-farm is changing the way primary producers do business for the better.

For South Australia to continue leading best practice agriculture, we need to be at the forefront of cutting edge technology.

This Government wants to encourage greater investment in on-farm technology and address barriers to new technology adoption. One opportunity is to tackle these challenges through collaboration and that's what AdvanceAg aims to do.

The inaugural South Australian AgTech showcase has been driven by the South Australian Government's AgTech Advisory Group and is an opportunity to help our farmers embrace technology, increase productivity and be even more innovative.

We want to work with our primary producers, researchers, entrepreneurs, businesses, innovators and universities to capitalise on the rapid growth of technology in agriculture.

From sensors and precision ag software, to imagery and smart farm equipment, AgTech is constantly evolving.

In South Australia there are many success stories in the AgTech sector but we need to be ambitious and continue to encourage greater on-farm adoption.

AdvanceAg complements the work being done at our recently launched AgTech demonstration farms in the South East and is the start of a state wide conversation on how we can use AgTech to grow the South Australian primary production sector.

We must not rest on our laurels and AdvanceAg is part of our broader plan to grow AgTech in South Australia.

Hon Tim Whetstone MP
Minister for Primary Industries and Regional Development

ALWAYS IN YOUR CORNER

Elders has played a key role in rural Australia for 180 years. Our expansive network offers links to markets, tailored advice and specialist knowledge across a range of products, including farm supplies, livestock, wool, grain, finance, insurance, and real estate. We are committed to delivering value to the local communities in which we operate and the future of Australia's agriculture industry. Through our technical services business we offer sustainable crop and livestock production management advice, Thomas Elder Consulting provides independent premium services to drive longterm sustainable farm profitability consulting through to industry research, development and extension. Thomas Elder Institute drives collaboration and partnerships for better adoption of R,D&E.

GENERAL INFORMATION

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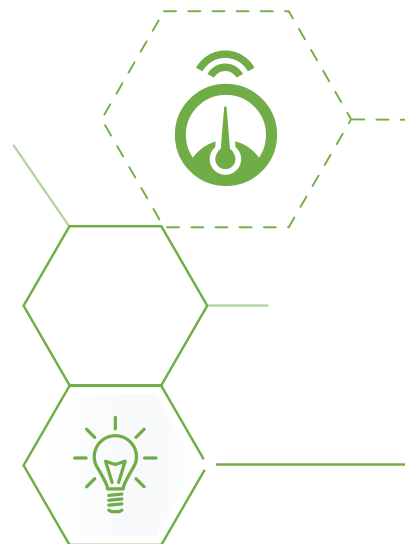
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Exhibition / Day Time Catering / Networking Reception

All to be held in the Ridley Centre

Dress code

Smart casual



REGISTRATION OPENING HOURS

The AdvanceAg Showcase registration desk will be located in the Ridley Foyer of the Adelaide Showground and will open during the following times:

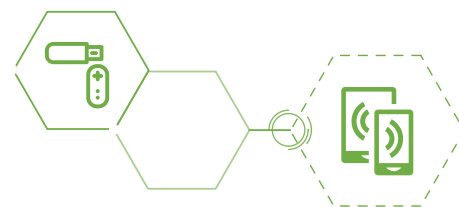
Date	Registration Desk Hours	Social Functions
Sunday 23 February 2020	5:00pm – 7:00pm	5:00pm – 7:00pm Welcome and Networking Function Ridley Foyer, Adelaide Showgrounds
Monday 24 February 2020	8:00am – 4:00pm	4:00pm – 5:00pm Networking Function Ridley Centre, Adelaide Showgrounds



PROGRAM

Time	Action/Details		
8.00am	Registration Open – arrival tea and coffee plus exhibition		
9.00am	AdvanceAg Showcase Welcome		
	Hon Steven Marshall MP , Premier of South Australia		
9.20am	Mark Allison , Managing Director and Chief Executive Officer, Elders		
9.25am	Keynote Speaker: Dr Astorre Modena , Terra Venture Partners (Israel) <i>How did Israel become the start-up nation?</i>		Kindly presented by Elders 
10.00am	Darren Thomas , Chief Executive Officer, Thomas Foods International (TFI) <i>Meat Processing Innovation – SA Leading the Way</i>		
10.20am	Morning Tea , networking and opportunity to explore the exhibitions		
10.50am - 12.20pm	Concurrent speaker streams to begin in 3 separate rooms Guests can move between streams and rooms Three speakers will present for 20 minutes in each stream, followed by questions		
	STREAM 1: Farm Management	STREAM 2: Remote Sensing	STREAM 3: IoT Devices
10.50am	Collaborative farm management – AgWorld Graham Morgan, Regional Manager	Making sense of remote sensing – D-CAT and Elders Dr. Moira Smith, CTO at D-CAT & Graham Page, Head of Technical Services at Elders	Smart yards and virtual fencing – Agersens and eShepherd Jason Chaffey, CEO
11.10am	10 minutes of questions in each session		
11.20am	Managing on-farm data – Fieldin Cedric Geffen, GM Sales APAC	Practical application of imagery in horticulture – Ceres Scott Gillett, Customer Success Adviser	Water use efficiency - growing more with less – Sentek Rob Stevens, Regional Manager Asia Pacific
11.40am	10 minutes of questions in each session		
11.50am	Livestock management – AgriWebb Will Bruce, Head of Sales and Operations	Pasture mapping – CiboLabs Phil Tickle, Managing Director	Connecting devices to sensors – In2It Mike and Dan Hayes, Founders
12.10pm	10 minutes of questions in each session		
12.20pm	Lunch , networking and opportunity to explore the exhibitions		
	South Australian AgTech Pitch Sessions – 7 South Australian AgTech companies will each share their latest innovations in a 3 minute pitch over lunch.		
	Seed Terminator Mark Ashenden, Commercial Director	Taglog Mark Snelgrove & Martha Valkenburg, General Manager & Business Development Manager	Concierge Genetics James Preuss, Managing Director
	GAIA Innovations (subsidiary of Consilium Technology) Andy Clarke, CEO	Farm Map 4D Jonathan Whalley, CEO	Liquid Systems SA Peter Burgess, CEO
			Integrated Irrigation Tim Powell, Owner/Manager

PROGRAM



Time	Action/Details		
1.00pm - 2.30pm	Concurrent speaker streams to continue Guests can move between streams and rooms Three speakers will present for 20 minutes in each stream, followed by questions		
	STREAM 1: Farm Management	STREAM 2: Remote Sensing	STREAM 3: IoT Devices
1.00pm	The power of 'end to end' data in farming – Tie Up Farming Roberto Ciancio, Head of Sales	Remote sensing adopted actively by farmers – DataFarming Tim Neale, Managing Director	Water management for livestock – Farmbot Andrew Coppin, Managing Director
1.20pm	10 minutes of questions in each session		
1.30pm	Financial management – P2P Agri Mike Krause, CEO/Founder	Imagery and analytics in broad acre farming – Hummingbird Technologies Mark Callanan, Head of ANZ	Autonomous agriculture – Agerris Salah Sukkarieh, CEO
1.50pm	10 minutes of questions in each session		
2.00pm	Irrigation and nutrient management – Swan Systems Tim Hyde, CEO/Founder	Remote soil sensing – Soil & Land Co. and Field Systems Australia Ed Scott, Soil Scientist	Automatic Milking System – Lely Australia Ramy Sanad, Lely Oceania Cluster Manager and Joshua Clark, Dairy Farmer
2.20pm	10 minutes of questions in each session		
2.30pm	Afternoon Tea , networking and opportunity to explore the exhibitions		
3.00pm	Panel Discussion – Drivers and barriers to adopting AgTech Lead by Dr. Leanna Read, Chair of the Agtech Advisory Group and Emma Leonard, Editor of Precision Ag News and Owner of AgriKnowHow		
3.30pm	How can AgTech assist in emergency recovery? A discussion exploring the ways existing and future AgTech and innovation could be used to assist in emergency recovery. The panel will include: <ul style="list-style-type: none"> • Jason Chaffey, Agersens and eShepherd • Hugo LeMessurier, FireSA • Andy Koronios, SmartSat CRC • Dr. Mark Rice, Safety from Space 		
4.00pm	Hon Tim Whetstone MP , Minister for Primary Industries and Regional Development		
4.10pm	Networking Function		
5.00pm	Event closes		

*Please note this event program is subject to change without notice.

SPEAKERS



Astorre Modena



KEYNOTE
SPEAKER

Astorre is the Founder and Managing Partner of Terra Venture Partners, leading venture fund focused on Israeli early-stage startups in sectors that have positive impact on society such as Energy, Resource Efficiency and Healthcare. He sits on the board of top companies such as Intuition Robotics, Wi-Charge, Silentium, Augmedics, Fieldin etc.

Before founding Terra, Astorre was a principal at Israel Seed Partners, a leading seed-stage venture capital in Israel with more than \$260 million under management. Prior to Israel Seed, Astorre was with McKinsey & Co., based in Paris, where he consulted to leading Italian, French and Israeli manufacturing and financial corporations.

Astorre holds a B.S.c. in Physics from the Hebrew University of Jerusalem and a Ph.D. in the laser Plasma Physics from Imperial College in London and Ecole Polytechnique in Paris working in their nuclear fusion energy program. Astorre has co-authored more than 25 scientific papers in prestigious journals, such as Nature and speaks fluent Italian, English, French and Hebrew.

Terra Venture Partners

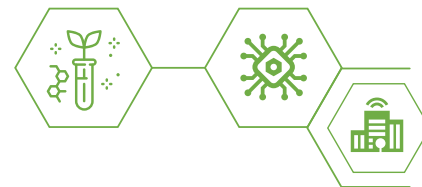
Terra Venture Partners is a venture capital fund focusing on Israeli early stage startups that develop innovative products that have the potential to make a positive impact on the environment and society.

From seed to growth, we support companies that leverage innovative technologies and strong business models to become leaders and disrupt traditional industries, including in the energy, healthcare, manufacturing, agriculture, construction and transportation sectors.

Terra won a governmental tender to operate a tech incubator ("Terralab"), providing a friendly environment and fully equipped working space to support top entrepreneurs throughout their journey to a great success.

For more info or to apply, please visit our website: www.terravp.com

SPEAKERS



Will Bruce



Will has over 10 years experience working in professional services & large enterprises out of London before joining AgriWebb in 2018 to lead our sales and operations team.

A fifth generation farmer from Kent in England, Will studied Natural Sciences at Durham University, before qualifying as a Chartered Accountant in the PwC M&A team in London.

Prior to joining AgriWebb, Will led the successful deployment of a new Cloud business at Sage Group PLC to eight countries around the globe from customer centres in Dublin & Atlanta.

His operations, sales, strategy and leadership skills span from navigating \$10bn software companies to multi-digit growth tech start-ups. This, combined with a passion for helping farms improve their businesses through the use of our software solutions, has already helped thousands of farmers in Australia and the UK.

AgriWebb

AgriWebb digitises farm operations seamlessly through software, helping livestock businesses become more efficient, productive and sustainable to make farming/ ranching easier - and better. Today, AgriWebb is used every day by thousands of farms globally, helping manage livestock. With over 10% of Australia's national Cattle and Sheep stock and with over 35 million acres being managed on the AgriWebb platform, our customers have seen livestock production performance increases of 20% through the use of AgriWebb.

AgriWebb's products simplify on-farm data collection and analysis to improve management efficiency, decision-making, benchmarking and transparency while integrating through horizontal and vertical supply chains. AgriWebb's founders come from 5 generations of livestock production and aim to transform the livestock industry through data-driven decision-making built from intuitive on-farm data recording. Today, AgriWebb has almost a hundred employees across global offices in Australia, the UK and shortly the US.

Peter Burgess



Liquid Systems SA

Since 2002 Liquid Systems (SA) has been manufacturing reliable and precise liquid delivery systems for planters and seeders. The company's systems are used around the world for accurate in-furrow injection of liquid fertilisers, fungicides, insecticides, nematicides, micronutrients, inoculants, soil conditioners and soil wetters. Liquid Systems in-furrow application equipment has been helping farmers increase soil productivity, boost yields and save on inputs with the intelligence they need to maximise profitability. Liquid Systems versatile product range easily retrofits onto any colour & size implement.

SPEAKERS

Mark Callanan



Originally from a finance background, **Mark** joined an agricultural investment fund for which the operating model was 'boots-on-the-ground.' During his time spent on various farms, growing and analysing various crops across various climatic conditions and states, he was always fascinated about the potential for technology, specifically in remote sensing and machine learning algorithms, to be applied to this sector. The opportunity to join Hummingbird at the start of last year was one that was too good to refuse.

Hummingbird

Hummingbird offers a crop analytics and field insights platform using remote sensing based on smart algorithms, computer vision and machine learning combined, which differs from much of the competition. We truly believe that we are helping farmers optimise their inputs, with the consequence of this being improved yields. Ultimate results of this are increased profits, reduced overspends and taking steps toward a more environmentally sustainable mode of farming.

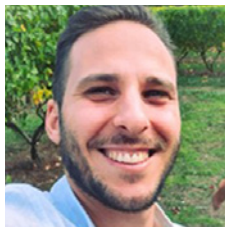


Jason Chaffey



Originally from rural NSW, **Jason** was a co-founder of Agersens in 2014 and the COO prior to becoming the CEO of Agersens in 2019, overseeing the development and trial program of the eShepherd product.

His career includes executive leadership roles including CTO, COO, MD and CEO of publicly listed and private companies with a track record of developing and executing commercialisation strategies to drive transformation and value-creation in challenging and turn around environments. Jason is passionate about bringing positive change to the Agriculture industry via digital paddock technology.



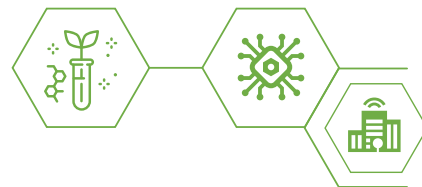
Roberto Ciano



Tie Up Farming

Tie Up Farming is an end-to-end software solution for horticultural agribusinesses. Our Smart Dashboard centralises all of your agribusiness' data in the one place, allowing you to oversee all of your farm's operations. Using a full suite of modules, our cloud-based farm management software can be tailored to help you plan, manage, forecast and budget your farm operation from planting to packing. Our Smart Dashboard allows you to visually map, track and forecast your future harvests, record and manage your day-to-day production activities, comply with Global Gap, pass audit with flying colours, export with ease, and more.

SPEAKERS



Andrew Coppin



Andrew is a passionate advocate for the better use of technology in Agribusiness to improve productivity, sustainability and profitability.

After an extensive executive career in capital markets and funds management he has spent the last 5 years in the Agtech sector mentoring emerging technology companies as an Investor, Adviser and Company Director.

He is currently executive Chairman and Managing Director of Farmbot Monitoring Solutions Australia and holds various Non-Executive board roles.

Farmbot

Farmbot is a leading Australian Agtech company in the Internet of Things (IoT) of Agriculture. The company monitors and reports on Farm water ecosystems delivering near real time reporting on water trends, consumption and alerts. As water is the lifeblood of all agricultural endeavours, a detailed understanding of its usage helps farmers make better management decisions around asset utilisation, resource allocations and carrying capacities. Farmbot is rapidly expanding and is interested to meet interested investors and collaborators.



Cedric Geffen

With more than 30 years' experience in a broad spectrum of agri-business and agri-technology endeavours ranging from Dairy, Poultry, Horticulture, Irrigation, Precision Ag and more, **Cedric** has fulfilled senior leadership roles in General Management, Sales, Marketing and Business Development for agri-business companies across the globe at both start-up and corporate phases with both national and international reach. Cedric has a B.Sc Agriculture from the Hebrew University in Israel and an MBA from the University of Cape Town in South Africa.



Scott Gillett



Before coming onboard with Ceres Imagery **Scott** had many years experience in mapping and precision agriculture. Working first for Primary Industries in land management, then with a specialist mapping organisation before working at his own business for eight years, all experiences which together provided a great understanding of success fundamentals when improving profitability using Ag Technology.

Ceres Imaging

Ceres Imaging is a spectral imagery and analytics company that serves farmers and agribusinesses. Using proprietary sensors, analytics, machine learning models, and plant science, Ceres delivers university-validated imagery-based intelligence to farms, operating locally in Australia and in the US. Using ceres enables customers to identify pest, disease, water, and fertilizer issues weeks before they are visible to the naked eye, and forward plan with high level insights.

SPEAKERS

Michael and
Daniel Hayes



Daniel (Dan) interest began in I.T when working in the Adelaide Medical Industry in the late 19 Hundreds. After travelling, he started in2it in Melbourne in 2004 as a home IT support business. That business moved home to Padthaway in 2005 and has since diversified by demand into a growing regional internet provider.

Michael (Mike) spent 15yrs in the Ag Services and Ag industries prior to life at in2it. He focuses most of his energy on communication equipment for remote networks and the implementation of monitoring and automation systems supported by those networks.

In2it

Ever increasing labour pressures have seen continued growth in labour replacement technology and the continued reliance on networks to support these products and services. In2it specialise in both business IT support services and internet delivery. The main area of growth has been delivering internet to locations where others struggle. In2it is a South Australian based business operating out of both Padthaway in the South East and Dergholm in Western Victoria.



Tim Hyde

After completing a degree in Horticulture and Irrigation from The Adelaide University **Tim** went farming in the northern region of Western Australia where he owned and managed several green field developments in sub-tropical table grapes and citrus.

In the early 2000's Tim started growing other horticultural crops such as bananas, vegetables and pastures using precision technology which in turn led to Tim and his current business partners to establish a consultancy business which specialised in precision water and nutrient management across a number of crop types.

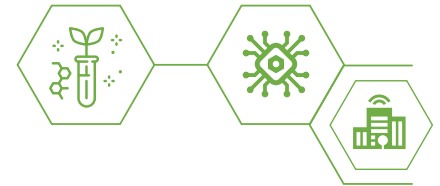


SWAN Systems

SWAN Systems is a global leader for independent irrigation management software. SWAN's ability to integrate with existing hardware is unique and creates significant opportunities in a hardware dominated market. The Salesforce / Xero equivalent for irrigators & global water consumers who face increasing economic, environmental and social pressures.

Our vision is to lead irrigators to a solution to leverage massive investments in irrigation hardware - they don't want the tail wagging the dog where hardware dictates which software must be used.

SPEAKERS



Andy Koronios



Professor Andy Koronios is the CEO of the SmartSat CRC, a consortium of industry and research organisations developing game changing satellite technologies to catapult Australia into the global space economy. Previously, Andy held the positions of Dean: Industry & Enterprise and Head of the School of Information Technology & Mathematical Sciences, at UniSA.

Andy is a professor of information systems and holds academic qualifications in Electrical Engineering, Computing and education as well as a PhD from the University of Queensland.

He has extensive experience in both commercial and academic environments and his research areas include data quality, information management & governance, data analytics and the strategic exploitation of information.

Andy has led the establishment of several research concentrations, labs & research centres. He served as the Research Program Leader for System Integration & Interoperability in the CIEAM CRC. He is internationally known for his work in data quality, has been an adjudicator for the European Corporate Data Quality Awards for several years and is the Editor-In-Chief of the International Journal of Information Quality.

He has worked both as a consultant as well as a professional speaker on IT issues in Australia and South East Asia and has over twenty five years' experience in the academic environment. He is a Fellow of the Australian Computer Society, a Founding Fellow of the International Institute of Engineering Asset Management and a Distinguished Speaker of the ACM.

SmartSat Cooperative Research Centre (CRC)

The SmartSat CRC is a consortium of universities and other research organisations, partnered with industry that has been funded by the Australian Government to develop know-how and technologies in advanced telecommunications and IoT connectivity, intelligent satellite systems and earth observation next generation data services. The impact of this research will be to develop intellectual property and a specialist industry expertise that will spawn new businesses, create export economic value and generate new high-tech jobs for all Australians.



Mike Krause



P2P Agri

'Farm Business Profitability made easier'. P2P Agri is powerful business management software for farmers and their advisers. With P2P Agri, you can develop key performance trends and benchmarks for your farm business. You can text plans and decisions with Scenario Analysis to maximise profitability. Plus, you can improve risk management and business resilience to build a more sustainable future.

SPEAKERS



Hugo LeMessurier

FIREGUARD

Hugo has over 25 years' experience in start-up, listed and multinational organisations in the USA, EU and Australia. He specialises in developing and investing in high growth businesses and teams commercialising innovative technologies with global potential. Hugo is a strategic advisor at Fire SA commercialising FireGuard, the world's first gully automated intelligent bushfire sprinkler activation system.

FireSA

FireSA is a South Australian business founded by Graham Pole, a volunteer CFS firefighter for over 30 years. During this time Graham saw bushfires devastate many volunteer firefighters' properties while they were fighting fires and protecting other people's properties. The company was established to install automated fire suppression systems to allow volunteer firefighter to have peace of mind that their homes were protected when they went out to fight bushfires.

The idea for FireGuard was born when Graham was unable to find an effective and affordable commercial automated bushfire sprinkler system that met the recommendations of research published by CSIRO and the Bushfire CRC. Following research conducted over the past 5 years and advances in technology it is now possible to build an affordable FireGuard system for anyone living a bushfire zone.



Tim Neale

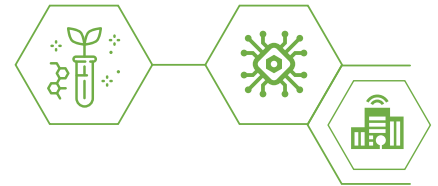
DATA FARMING

Tim, who was recently named Rural Consultant of the Year, has over 20 years' experience across Australia and internationally, 15 of which has been spent running his own business. Tim's strong ag tech focus has been driven by an evolution from CTF (controlled traffic farming), auto-steer technology, elevation mapping and water planning, yield mapping, variable rate, soil mapping, and satellite imagery. Tim's current focus is on increasing adoption of digital technology into agriculture through easy to use, low cost and practical solutions.

DataFarming

Most farmers and agronomists find accessing relevant and accurate PA data difficult, costly, and complex. On-ground application is suffering, where adoption rates are around 10% on Australian farms. DataFarming is Toowoomba-based ag-tech company created in July 2017 by leading Australian PA specialists, Tim and Peta Neale. Its core purpose is to remove the barriers to adoption of PA and digital data use. DataFarming will provide a new and innovative method for delivering products and services to farmers and agronomists as simple, automated, low cost products with direct on ground actionable solutions. This means the boutique products and services currently only offered by a small number of companies in Australia, will become mainstream.

SPEAKERS



Graham Page



Graham has spent his time in agronomy regionally, by state and nationally. He has held various roles including capacity building, RD&E, AgTech, policy development, project management, recruitment, product development and training, working within small and large businesses.

He studied Applied Science with Agricultural Services at the University of Melbourne, is a Certified Practicing Agriculturalist and member of the Ag Institute Australia.

Graham is passionate about driving practical change and adaptation of agricultural research through technical excellence and collaboration across private and public-sector institutions.



Ramy Sanad



Ramy has a strong passion for agriculture and innovation, having over 15 years of experience in agriculture sector across both the Dairy and Horticulture industry, working internationally in the United states, Middle East, Asia and Oceania. He has worked for a decade in Fonterra across sales, supply chain and Government Relations across various regions. He has been a board member and mentor at Strathclyde Business School Entrepreneurship Advisory Group, focusing mainly on Agtech and Market penetration. Currently he is Cluster Manager for Lely Oceania with focus on Market growth and adaption for Automatic Milking System.

Lely

Lely is an international family business in agriculture sector and has a focus of making farmers' lives easier with innovative solutions and tailored services offering solutions for almost all activities in the cow shed from milking to cleaning. Lely provide advice on how to organise a dairy farm smartly with the use of management systems.

SPEAKERS



Edward Scott



Ed has extensive experience in soil assessment and land management for agricultural production systems. This experience has ultimately facilitated working with farmers to integrate the AgTech solutions necessary for deeper insights into the complex world of strategic soil management.

Through involvement with Field Systems Australia as a key advisor and business owner he has worked extensively on 'ground-truthing' maps from remote and proximal sources to further improve the zoning of similar soil types or conditions. Linking soil moisture to soil fertility to soil management has been the key base approach to further understand the capacity of soils across any agricultural landscape.

Soils are subject to many assumptions in the Agtech world, with many proxies, probabilities and correlations being drawn upon for improved soils insight. There is still much to learn in the extrapolation and inter-relationships of relevant data sets to improve the understanding and management of soils. This area is where agricultural technologies are starting to play a vital and pivotal role.

Soil & Land Co.

Soil & Land Co. is a soil consultancy involved in provision of land management support to businesses and farmers to further the understanding of soils and their productive capacity. Soil & Land Co. engage soil performance as the primary approach to building resilient production systems. This integrated approach provides clarity when identifying opportunities to utilise Agtech solutions to generate appropriate insights and monitoring solutions for building production and 'action plans' from the soil up.

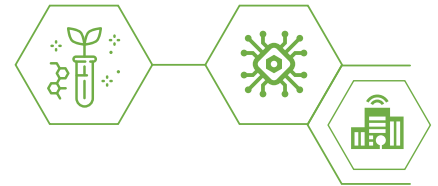


Moira Smith



Moira is the co-founder, Director and CTO of Digital Content Analysis Technology Pty Ltd (D-CAT), a data and image analytics company which provides business insights to the agriculture sector, and others. As Elders' remote sensing partner, we're applying our defence technology heritage and expertise to provide unique insights and tools of value to Australian agriculture from our bases in Adelaide and the UK.

SPEAKERS



Rob Stevens



Rob is the sales manager for Sentek in the Asia-Pacific market. He has worked in irrigated horticulture for over 35 years.

Prior to his role in sales, he undertook applied research on the management of irrigated crops under declines in water availability and water quality.

Sentek Technologies

Sentek Technologies was founded in the early 1990's to meet the demand from farmers for real insights into their irrigation decisions.

With a team of specialists across agronomy, soil science, and irrigation technology their soil moisture probes and software are designed to provide accurate data to support better crop management.



Salah Sukkarieh



Salah is the Professor of Robotics and Intelligent Systems at the University of Sydney, and is the CEO of Agerris, a new Agtech startup company from the ACFR developing autonomous robotic solutions to improve agricultural productivity and environmental sustainability. He was the Director Research and Innovation at the Australian Centre for Field Robotics from 2007-2018, where he led the strategic research and industry engagement program in the world's largest field robotics institute. He is an international expert in the research, development and commercialisation of field robotic systems and has led a number of robotics and intelligent systems R&D projects in logistics, commercial aviation, aerospace, education, environment monitoring, agriculture and mining. Salah was awarded the NSW Science and Engineering Award for Excellence in Engineering and Information and Communications Technologies in 2014, the 2017 CSIRO Eureka Prize for Leadership in Innovation and Science, and the 2019 NSW Australian of the Year nominee. Salah is a Fellow of Australian Academy of Technological Sciences and Engineering (ATSE), and has over 500 academic and industry publications in robotics and intelligent systems.

Agerris

Agerris is a field robotics company working closely with farmers and the agricultural community in building the next generation on-farm ag robots and AI tools. Our mission is to deliver the best and most innovative technology products, that are easy to use and help build a sustainable ag industry.

SPEAKERS



Darren Thomas



Darren is the Chief Executive Officer of Thomas Foods International (TFI).

Under the stewardship of Darren and his father and company founder Chris Thomas, TFI has grown from a small family company into Australia's largest 100% family-owned meat processing company with a proven track record for trading premium lamb, beef and mutton products. TFI exports 80% of its production into 80 export markets and earned a reputation as a global leader in process efficiency and product quality.

The TFI group of companies generates an annual turnover in excess of \$2 billion and employs more than 3000 people globally. TFI currently operates meat-processing plants in Australia and is represented internationally through its subsidiary companies TFI USA, TFI China, TFI Japan and TFI EU.

Other TFI group companies include ready-to-cook meals business Thomas Farms Kitchen, meat wholesaler Holco, seafood exporter Thomas Cappel Seafoods, potato producer and distributor TFI Fresh Produce and retail label Thomas Farms.

TFI has embarked on an exciting new project - the design and construction of a technically advanced, multi-species, meat processing facility in South Australia. The design of this world-class facility will create new standards in capacity, efficiency and product quality for Australian livestock processing.

Darren holds a Bachelor of Accounting and a Master's degree in Business Administration, is a former inaugural chair and board member of Brand South Australia, former member of the Economic Development Board, a board member for a number of charitable organisations and is a member of the South Australian chapter of the internationally renowned Young Presidents Organisation (YPO).

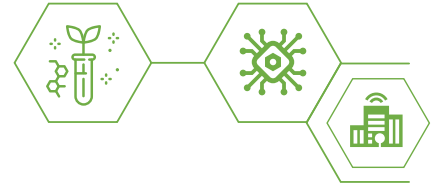


Phil Tickle



Phil is a co-founder and Managing Director of Cibo Labs. He grew up on farms in southern NSW and has over 30 years professional experience in the application of geospatial and remote sensing technologies in agriculture and natural resource management. Cibo Labs was established in early 2018 with the mission to bring a completely new approach to monitoring Australia's grazing lands aimed underpinning more profitable farms and more sustainable landscapes. In less than 2 years Cibo Labs have established fully commercial services delivering estimates of pasture biomass and ground cover to over 20 million hectares on a weekly basis.

SPEAKERS



Jonathan Whalley



Farm Map 4D

Farm-Map Analytics was formed through close collaboration by 20 organisations active in the livestock industry seeking to leverage 25 years of remote sensing and Grazing Land Management science. For the past two years, the company has built its reputation as a market leading provider of spatial analytics through its FarmMap4D product to the large Australian livestock industry. FarmMap4D is a tool combining multiple layers of publicly available and private data. FarmMap4D gives land managers secure on-line access to accurate digital property mapping, the ability to analyse property utilisation and land conditions, and tools to plan for future management and infrastructure. As an example, FarmMap4D integrates historic and current LandSat data with user data on waterpoints to model and optimise the carrying capacity of a property.



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