The NSW Chief Scientist & Engineer, Professor Mary O’Kane, invites you to join her at The Science & Research Breakfast Seminar

Wednesday 11 May 2016

Professor Salah Sukkarieh, Director of Research & Innovation, Australian Centre for Field Robotics at The University of Sydney presents:

FARMS OF THE FUTURE

Professor Salah Sukkarieh's research is in the discovery and development of intelligent robotic and software systems - with a particular focus on large-scale outdoor operations.

These operations are generally characterised by unstructured, dynamic environments, requiring novel mechatronic and algorithmic principles.

Technologies developed range from systems for human assistance in complex outdoor tasks through to full automation of large-scale, multi-system operations.

Over the last decade Salah has concentrated on farm automation technologies - predominantly robotic air and ground vehicles - with the aim of reducing chemical inputs, and improving land and labour productivity.

In his presentation Salah will highlight how the technologies developed have gained significant interest among primary producers, and how automation will revolutionise food production into the future.

In particular, the changing landscape of rapid manufacturing and online cloud-based machine learning systems means that modular, purpose built mechatronic and algorithmic systems that cater for specific crops are within reach. Furthermore, the ability to automate specific food production tasks leads naturally to a rethink on the structure and architecture of crops and, by implication, what farms of the future may look like.

BREAKFAST SEMINAR

The 2016 Science & Research Breakfast Seminars will be held in the Members’ Dining Room at Parliament House of New South Wales. Guests entering Parliament House are required to undergo routine security screening.


Time: 7.30am for 8am start - finishing at 9am sharp.

Breakfast, tea and coffee will be served.

RSVP: By Friday, 6 May 2016

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For more information, see www.chiefscientist.nsw.gov.au