

Research and Development in Autonomous Vehicles



ENGINEERS
AUSTRALIA

Joint Electrical Institutions Sydney - Engineers Australia, IEEE, IET

DATE & TIME

Thursday, July 28, 2016
5:30 pm for 6:00 pm start

VENUE

Engineers Australia
Harricks Auditorium
Ground Floor, 8 Thomas Street,
Chatswood NSW 2067

COST

EA, IET, IEEE Members – Free
Students – Free
Non-members - \$30

CPD

Eligible for 1.5 Continuing
Professional Development hours.

RSVP

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HOSTED BY

Joint Electrical Institutions Sydney



Presentation by Professor Eduardo Nebot, Director of the Australian Centre for Field Robotics.



During the last 15 years we have seen significant progress in many areas related to sensing, navigation and control. Fundamental research contributions in these areas has enabled the development and deployment of autonomous system. Australia has been leading the effort in the field robotics area with the very impressive deployment of large scale automation in areas such as Stevedoring and Mining. This presentation will present a summary of the industrial outcomes of the Australian Centre for Field Robotics and an overview of the fundamental research challenges and opportunities in autonomous systems.

SPEAKER BIOGRAPHY

Eduardo Mario Nebot received the Bachelor's degree in Electrical Engineering from the Universidad Nacional del Sur, (Argentina) and MS and PhD degrees from Colorado State University, USA. He is a Professor at the University of Sydney in the School of Aerospace, Mechanical and Mechatronic Engineering. He was appointed as the Patrick Chair of Automation and Logistics in 2004. He has been the Director of the Australian Centre for Field Robotics (ACFR) since 2011.

Professor Nebot has a substantial track record in robotics and automation. He has published more than 300 refereed conference and journal articles and given a large number of keynote and industrial presentations. The major impact of his fundamental research is in autonomous systems, navigation, mining safety and Intelligent Transport Systems.

Over the past 15 years, he has managed a large number collaborative industrial research projects in the area of Field Robotics. His fundamental research contributions are having a significant impact in the profession. They are already part of new key autonomous technologies deployed in various industrial

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environments such as mining, stevedoring, cargo handling and urban road vehicles. His research work is also having a significant impact on mining safety. He is responsible for the introduction of new technology to improve and monitor the safety of mining operations that has been successfully deployed in various operations around the world. He is a cofounder and director of a University of Sydney/CRCMining spin-off company. He is currently leading various industry collaborative research projects and is having an active role in the deployment of new innovative technology in the intelligent transport area involving smart vehicles.

For further information: contact Peter Henderson

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