

## **Advances in sensor technology enable next generation robotics**

*Sagentia leads discussion at RoboBusiness 2015*

San Jose, CA – September 24, 2015 – [Sagentia](#), a leading international science, product and technology development company, will today be exploring the advanced sensor technology supporting the current robotics upsurge at RoboBusiness in San Jose, CA. Dr Nicholas Collier, Sagentia's Chief Technology Officer, will be presenting to leaders from across the global robotics industry on the opportunities and challenges presented by some of the latest sensor technologies in delivering next generation robotics.

During the presentation, Dr Collier will explore several current sensor technologies that are enabling robotic systems to navigate complex and changing environments. These include 3D imaging sensors, such as Time of Flight cameras being used for stock picking in warehouses, retro-reflective communications and hyperspectral imaging for use in surgical techniques and operations.

Dr Collier comments: "There is currently significant interest in the growing capabilities of robotics. Robots are increasingly operating outside their traditional assembly-line settings and are undertaking varied, less predictable tasks, working collaboratively alongside humans. For robots to work in these semi-structured environments they need to be highly aware of their surroundings and so the role of sensor technology is critical. There have been some big advances in this area over the last few years and we are seeing some very exciting developments on the horizon."

Sagentia has over 25 years' experience partnering with companies on robotics and automation focused technology and product developments across industrial, medical, oil & gas and consumer sectors. Typical projects have focused on areas such as developing a surgical robot to augment a surgeon's abilities, fluidic handling systems for diagnostics instrumentation, an autonomous vehicle that needs to be aware of its surroundings and an oil & gas robot for use in harsh environments.

RoboBusiness is the leading event dedicated to accelerating the commercial advancement of robotics technologies and solutions. For further details [click here](#).

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### **About Sagentia**

Sagentia is a global science, product and technology development company. Our mission is to help companies maximise the value of their investments in R&D. We partner with clients in the consumer, industrial, medical and oil & gas sectors to help them understand the technology and market landscape, decide their future strategy, solve the complex science and technology challenges and deliver commercially successful products.

Sagentia employs over 150 scientists, engineers and market experts and is part of the Science Group, with headquarters in Cambridge, UK and offices in London, Guildford, Boston, Houston and Dubai.

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