

**Automotive and Transport Group****'Logistics and the last – but arguably most important - mile'**14<sup>th</sup> November 2017**Hosted and sponsored by Mills & Reeve**

This SIG is championed by Tom Blackie of RealVNC, John Okas of Real Wireless  
and Nigel Wall of Climate Associates

**Venue: Mills & Reeve 24 Monument St, London EC3R 8AJ****AGENDA****12:30** Registration and networking with lunch**13:30** Introduction to the Automotive & Transport Group, **John Okas, Real Wireless****13:40** Welcome from event supporter, **Stephen Hamilton**, Partner, **Mills & Reeve****Sessions chaired by SIG Champion, John Okas, Real Wireless****13:50** **'Last mile logistics – opportunities for innovation'****Prof. Alan Braithwaite**, Founder, **LCP Consulting**

This talk will cover the scale of the last mile challenge; innovation trends and opportunities; the policy imperatives – congestion, safety and air quality; and address the question of what it will take to make it happen?

**14:15** Q&A**14:25** **'Drone delivery gets personal'****Henry Fletcher**, Senior Engineer, **Cambridge Consultants****Rosie Wells**, Senior Product Designer, **Cambridge Consultants**

Cambridge Consultants DelivAir drone delivery concept places packages directly into your hand - wherever you are. Using a novel, patent pending two stage GPS/vision based navigation system the drone locates the recipient via their smartphone, and delivers the package safely into their hands via a level wind winch system. This presentation looks at the thinking behind the project and the challenges presented in creating this proof of concept system.

**14:50** Q&A**14:55** **'Autonomous Vehicles in the Last Mile'****Zain Khawaja**, Founder & Lead Technologist, **Propelme Ltd.**

This talk will explore the challenges and opportunities of using autonomous vehicle technology in last-mile scenarios; review current approaches to tackling autonomous last-mile delivery, and Propelme's technological and commercial approach in addressing this autonomy use case.

**15:20** Q&A**15:25** **Refreshments and networking****15:55** **'A new way to manage Kerb space'****Neil Herron**, Founder & CEO, **Grid Smarter Cities**

Neil Herron explains how our congested cities need a new way to manage their deliveries, introducing Kerb, an intelligent kerbside management tool that allows Hauliers the ability to book previously restricted kerb space through the provision of virtual loading bays.

**16:15** Q&A

---

**16:20 'Urban last-mile deliveries - the car as a Delivery Service'****John Davies**, Senior Advisor, **CarTap**

This talk will explore CarTap's Boot Collect service which takes the flexibility of click and collect even further by delivering orders straight to the consumer's car. The project uses a smartphone app to enable consumers to have online goods delivered straight to their boot using secure keyless vehicle access technology.

---

**16:30** Panel session with all speakers chaired by **SIG Champion, John Okas, Real Wireless****Extra panellist: Henry Harris-Burland**, VP of Marketing, **Starship Technologies**

---

**17:10 Event wrap up**

---

**17:15 Event closes**

---

With the permission of the speakers, presentations will be loaded to the CW website within two weeks of the event

## Profile of organisers

### Cambridge Wireless (CW)

CW is the leading international community for companies involved in the research, development and application of wireless and mobile, internet, semiconductor and software technologies. With over 400 members from major network operators and device manufacturers to innovative start-ups and universities, CW stimulates debate and collaboration, harnesses and shares knowledge, and helps to build connections between academia and industry. CW's 19 Special Interest Groups (SIGs) provide its members with a dynamic forum where they can network with their peers, track the latest technology trends and business developments and position their organisations in key market sectors. CW also organises major conferences and start-up competitions along with other high-quality industry networking events and dinners. With headquarters at the heart of Cambridge, UK, CW partners with other international industry clusters and organisations to extend its reach and remain at the forefront of global developments and business opportunities. [www.cambridgewireless.co.uk](http://www.cambridgewireless.co.uk)

## Profile of host & sponsor

### Mills & Reeve

Mills & Reeve is a law firm with nearly 900 staff and more than 500 lawyers across the UK. Our clients include businesses – from PLCs to start-ups – high net worth individuals and landowners. Our strong reputation in the technology sector means we understand your needs whether you are an entrepreneur looking for investment or a MNC negotiating a strategic deal. Our clients tell us we deliver outstanding service in an open and collaborative culture which is refreshingly different. At Mills & Reeve, we recognise that the foundation of the firm's success is our people. We seek to recruit and retain the most talented people regardless of age, race, gender, disability, sexual orientation and religion or belief. As a Sunday Times' Best 100 Company to Work For, we value and reflect the diversity of the clients and communities we work in. [www.mills-reeve.com](http://www.mills-reeve.com)

## Profile of SIG Champions

### Tom Blackie, RealVNC

Since joining RealVNC in 2009 Tom has lead the mobile division pioneering integration of phones with in-vehicle systems. Prior to RealVNC Tom held executive positions in a number of technology companies providing revolutionary wireless and software products. Including Head of Operations at the Olivetti and Oracle Research Laboratory; Founder and VP Engineering at NASDAQ listed Adaptive Broadband; Managing Director of Audentify (a division of Autonomy Systems PLC); and COO at AIM listed Ubisense. Tom graduated in Electrical and Electronic Engineering from Napier Edinburgh and holds an MBA from Ashridge Business School. [www.realvnc.com](http://www.realvnc.com)

### **John Okas, Real Wireless**

John has worked in wireless and telecommunications throughout his career. Initially with Motorola and Racal in engineering and product marketing roles. He was a founding director of NTL (now Arqiva), initially as Business Development Director building and managing the complete commercial organisation. He also managed the R&D Group which developed one of the first commercially available MPEG video compression systems. Then as Managing Director - Telecommunications he was responsible for growing NTL's wireless business and entering the fixed telecommunications and satellite services markets. Moving to Pell Frischmann the consulting engineers, he started a telecommunications business and was involved in several large transportation projects including the Highways Agency's NRTS Project which updated the motorway communication systems. Currently he operates as an independent consultant covering technical, commercial and product strategies. He works with other consultancies including Real Wireless, the independent wireless experts, who develop strategy, policy and practical solutions. John has a close interest in the IoT/M2M market within the transport sector; he worked with the Weightless SIG at its formation to help identify market requirements. [www.real-wireless.com](http://www.real-wireless.com)

### **Nigel Wall, Climate Associates**

Nigel Wall is an independent system engineering consultant and Director of Climate Associates Ltd: CAL helps organisations optimise ICT system design based on understanding the whole life carbon footprint cost of deploying innovative ICT technology compared to using current systems. Climate Associates are leading work with ITU-T SG5 and ETSI in standardising the analysis and in determining best practice. Nigel is also involved with Intelligent Transport Systems – 'connected cars' he is the Chair of the ITS UK Communications SIG and the Land Navigation & Location Group at the Royal Institute of Navigation. [www.climate-associates.co.uk](http://www.climate-associates.co.uk)

## **Profile of speakers**

### **Alan Braithwaite, LCP Consulting**

Alan is the Founder of LCP Consulting. Alan's experience spans across all sectors from retail, through FMCG, manufacturing, hi-tech, chemicals, healthcare, distribution and logistics services. This experience has been gained on every continent across the world, making him a recognised authority on operations, supply chain and logistics. His core skills include translating supply chain and operations design and execution to bottom line improvement for our clients. Over the last six years he has taken a keen interest in the public policy of sustainable freight and logistics, collaborating with both Cranfield and the Chartered Institute of Logistics and Transport to publish and launch research. Alan holds a Master in Business Management from the London Business School, a Bachelors in Chemical Engineering and prior to starting LCP held management roles for 10 years in the food and furniture industries. Alan has collaborated with the Cranfield School of Management's Centre for Supply Chain and Logistics Management since 1987, contributing to teaching, research and writing. In 2006, he was appointed a Visiting Professor and most recently spent eighteen months as acting head of the Supply Chain Research Centre. He continues to enjoy working with the students on their thesis projects. [www.lcpconsulting.com](http://www.lcpconsulting.com)

### **Henry Fletcher, Cambridge Consultants**

Engineer with over 5 years' experience in multidisciplinary engineering projects. Specialist in mechanical engineering. Experience in aerospace and marine engineering firms. Founded and led technical direction of precision agriculture start-up, now shareholder and advisor. Experience leading mechanical and multidisciplinary teams and solving diverse technical challenges including industrial automation, robotic vision, seals in beverage and consumer cleaning products, global transit intermediate packaging and specialised drone modifications. [www.cambridgeconsultants.com](http://www.cambridgeconsultants.com)

### **Stephen Hamilton, Mills & Reeve**

Stephen Hamilton is a partner at Mills & Reeve; he helps businesses to achieve their commercial objectives, focuses on corporate finance for companies and other commercial clients. Stephen has significant experience in advising in relation to capital markets (both main market and AIM) including fundraisings, initial public offerings, mergers & acquisitions and corporate restructurings. Recent work includes an £80m takeover offer, several AIM fundraisings, a £28m recommended takeover code offer structured as a scheme of arrangement, two £300m+ bond issues, the £100m dual track trade sale and AIM IPO for an advanced manufacturing company. He is a member of the Quoted Companies Alliance Legal Technical Committee. Stephen also has an interest in the laws relating to the testing and

use of autonomous vehicles. I have consulted with general counsel from major automotive manufacturers and suppliers, responded to calls for evidence from the UK Government, have been quoted by the media and have been invited to discuss the subject at the House of Lords. [www.mills-reeve.com](http://www.mills-reeve.com)

### **Henry Harris-Burland, Starship Technologies**

Henry joined Starship in 2016 and now leads the Marketing and Communications team. Henry has a mixed entrepreneurial and corporate background after founding and then selling an events company in the UK, and then moving to Rolls-Royce Motor Cars for over three years in Global Product Communications. His passion for anything on wheels has now led him to the rapidly changing world of robotics and delivery robots. [www.starship.xyz](http://www.starship.xyz)

### **Neil Herron, Grid Smarter Cities**

Neil Herron is the founder and CEO of Grid Smarter Cities - an eco-system of smart solutions connecting communities and people with transport, parking, goods, services, discounts and offers. It is about making lives easier for everyone and making cities smarter, efficient and inclusive. He has led Grid through the London Stock Exchange Group's ELITE programme for emerging high-growth companies, as well as ensuring their 15th placing in the IP100 League table. Grid have also won an unprecedented 7 Innovate UK funded projects, including most recently a 'first of a kind' (FOAK) project looking to revolutionise the cities kerb-space with virtual loading bay concept, for which Neil is the named inventor, including the two patents that sit behind the technology. 'Kerb', as its now known, acts as Real Time Dynamic, Intelligent Kerbside Management Solution for Cities. Kerb allows commercial vehicle operators to opt to book and pay to park/load/unload on previously unavailable kerb space in high density, urban areas or to extend loading periods in time restricted locations. Neil is a serial entrepreneur developing new propositions and SME businesses in the smart city space. He is also ITS UK representative on the national British Parking Association Forum alongside the Freight Transport Association and local authority representatives and is a member of the All Party Parliamentary Group on Smart. He has 20 years' experience in running delivery fleets and over ten years' experience in improving parking policy and operations. He was also a key contributor to the Transport Data Revolution report on Intelligent Mobility for the Transport Systems Catapult and a member of the APPG Smart Cities group. [gridsmartercities.com](http://gridsmartercities.com)

### **Zain Khawaja, Propelmee**

Zain has a Master of Engineering (MEng) from Oxford University with a specialisation in Computer Vision and Robotics. Zain has led the development and integration of Propelmee's proprietary autonomous vehicle technology for complex scene perception, dynamic path planning, real time obstacle avoidance and autonomous maneuvers handling in complex urban environments. Zain is an author on Computer Vision IP patents filed in the U.S. for Propelmee, including the 'Autonomous Vehicle Corridor' patent, which articulates a framework for deriving rich scene understanding from infrastructure based perception and seamlessly integrates with vehicle on-board perception in aid of autonomy. [propelmee.com](http://propelmee.com)

### **Rosie Wells, Cambridge Consultants**

Designer with over 7 years' experience in the design development for consumer and industrial markets. Working in integrated multidisciplinary teams, Rosie focuses on understanding consumer needs and requirements and design solutions to suit. She make sure the end user/key stakeholder is considered throughout the development process to enable commercially successful products and services. [www.cambridgeconsultants.com](http://www.cambridgeconsultants.com)