

techUK Intelligent Mobility and Transport Steering Board – Chair nominations

Chris Reynolds, Softcat PLC

Job title: Head of Central Government Transport

Please write a short professional biography/Profile (max 150 words)

For 15 years, Chris has had a keen interest in working with transport related clients, and in the last three years has formalised this interest by building the Softcat Central Government Transport Division.

As Head of Central Government Transport, Chris is coordinating approx. 100 resources across the Softcat business, alongside a large number of external partners, to support DFT and all ALB with technology transformation and innovation (recently focused on COVID recovery and 'building back better').

Chris leads technology adoption outcomes aligned to Cabinet Office & DFT technical strategy. Key successes include: £m+ saving for Network Rail through innovative sourcing, providing National Highways with threat modelling & cyber security strategy and optimizing DVSA's entire software estate resulting in significant taxpayer savings.

Chris opened the first ever regional office for Softcat, in Manchester, and has lived there for the last 11 years with his wife Zoe, and their 7-month-old daughter, Claudie.

Please provide a short paragraph on how you will use your experience and insight to contribute to the Intelligent Mobility and Transport Steering Council (max 200 words)

The nature of his role provides Chris with exposure to the entire sector which supports the Council with diverse visibility of changes across it. Linked to this, Chris' tenure with Softcat and experience in the industry result in many C-Level, SRO and Director level relationships which will be invaluable to the Council in gaining insight and testing ideas. In addition, Chris is working to build peer groups with his clients, to develop a sense of common goals and challenges, working towards a unified sector approach (efficiencies of scale, reduction of commercial envelopes and an aggregated approach to satisfying demand). This will provide opportunity for the Council to engage with these groups.

Chris progression within Softcat has resulted in significant engagements across technology domains including Cyber Security, Digital Workplace and Hybrid Cloud. This ensures a well-rounded view of the market which should benefit the Council given these are all key areas of priority for the sector. Moreover, with sustainability as a key impact area in the transport sector, Chris would welcome the opportunity to help develop a thematic approach to helping the sector with sustainability initiatives on the way to Net Zero.

Dr Liz James, NCC Group

Job title: Senior Security Consultant / Transport Research Coordinator

Please write a short professional biography/Profile (max 150 words)

During my Engineering doctorate I worked closely with Jaguar Land Rover and designed an adaptive and context-sensitive telemetry system and explored Next Generation E/E architectures, based around Automotive Ethernet, and how they could utilize emerging standards, such as Time Sensitive Networking (TSN).

I was introduced to the problems that exist within organizations, as part of my EngD, including Information Security Management; Process design; Intellectual Property and various considerations around human performance in addition to the ever-present challenge of prioritizing and communicating research priorities to different stakeholders.

Within NCC Group I have worked alongside customers to address emerging cyber-security requirements, delivered technical assurance activities, led commercial research activities, undertaken independent research activities; supported the development and delivery of new products and services and worked with our public affairs team to develop corporate positions with regards to policy and regulation in the domains of Cyber-physical systems and Intelligent Mobility.

Please provide a short paragraph on how you will use your experience and insight to contribute to the Intelligent Mobility and Transport Steering Council (max 200 words)

The domain of Intelligent Mobility and Transport is one in which there is a lot of innovation and novelty. However, as with all novel and innovative ideas, ensuring security is included by design yet does not lead to a stifling of innovation is crucial.

I will look to contribute to the council by:

- Promoting a Secure-by-Design approach to Intelligent Mobility and Transport
- Providing insight into the overlap between Security, Safety and Privacy in the Intelligent Mobility and Transport domain
- Leverage the threat intelligence and strong background of cyber security research of NCC Group to provide perspectives on new and emerging technologies and threats.
- Highlighting and promoting examples of best practice in the form of policy and process improvements across the sector
- Emphasizing the value of supply chain considerations including resiliency and assurance
- Secure software development practices and proactively addressing security challenges including those that can exist within CI/CD pipelines.

- Security best practice across a range of security domains including hardware, software, and business process.
- Actively work with organizations working on emerging technologies, to preemptively identify novel and existing threats and identify mitigations proactively

Phil Evans, Capita

Job title: Market Development Director, Transport

Please write a short professional biography/Profile (max 150 words)

Phil is Capita's Market Development Director for transport & Account Director for NATS. As a domain expert he provides business development and strategy expertise with a focus on new technologies, innovation and digital transformation.

He fully supports the 'whole system approach' to shaping the future of our places by working collaboratively with Government, regulators, the utility sector, the transport sector amongst others for the benefit of all citizens.

He is an advocate of Mobility as a Service and how it can support the concept of the 30-minute rural community. These communities are often overlooked but face significant challenges regarding transport.

He has a personal interest in doughnut economics which explores the link between the planetary boundaries and the UN sustainability goals and how businesses, cities and Government can adopt this methodology to drive business performance whilst at the same time respecting our social and ecological boundaries.

Please provide a short paragraph on how you will use your experience and insight to contribute to the Intelligent Mobility and Transport Steering Council (max 200 words)

Through Capita's customer base (Government & private) and significant supply chain, Phil has access to senior decision makers from across all modes of transport in line with techUK's emphasis on the importance of a systematic view of the transport network that considers every mode, from road and rail to air and sea.

He is leading on discussions with the Great British Rail Transition Team both through personal engagement with their leadership team as well as through industry round tables providing valuable insight into the Government thinking around the future of rail.

Decarbonisation of transport and by inference smart transport is not just about investment in physical infrastructure albeit important but the application of new and emerging digital technologies, data and analytics and communication networks – all of which are required to ensure that we gain maximum benefit from all modes of transport

Phil's unique perspective on the convergence of energy and transport technologies will ensure that techUK's work is relevant to Government, the industry and the citizen alike.

Tom Williams, KPMG

Job title: Associate Director

Please write a short professional biography/Profile (max 150 words)

Tom is an Associate Director in KPMG's Infrastructure Advisory Practice. He works in the Infrastructure Advisory Future Mobility team where he provides consultancy services to clients spanning zero-emission mobility, intelligent transport, smart ticketing/fare payment systems, Mobility as a Service ('MaaS'), Connected & Autonomous Vehicle technologies, Demand Responsive Transport, and Command & Control.

Tom has experience in the delivery of public transport operations having led the technology and innovation division for a global bus operator. He has led multi-disciplinary engagements in the UK, USA, Latin America, Africa and India. He advises clients in the evaluation, design, and implementation, of changes to public transport networks. These have included the transition to zero emission fleets, delivering world class transport infrastructure projects, using big data and innovative technology to drive transport investment decisions and assessing the viability of emerging technological solutions (from autonomous vehicles to in-wheel electric motors).

Please provide a short paragraph on how you will use your experience and insight to contribute to the Intelligent Mobility and Transport Steering Council (max 200 words)

- I will leverage my experience working for both large and small organisations to bring a balanced view on how to deliver impact for a wide variety of UK industry.
- I will leverage my experience running my own small business and growing a global intelligent mobility start up to articulate the real-world barriers facing UK industry.
- My global knowledge will enable me to bring global best practice insight and will also aid in identifying issues and opportunities for UK industry in global markets.
- My work with the public sector (both local and national) will enable me to support in guiding the work to engage proactively and positively with government organisations.
- I have worked in live transport operations and I know the practical realities of delivering transport services including intelligent mobility services such as autonomous vehicle operations and demand responsive transport. This gives me a good understanding of how to make intelligent mobility work on the ground.
- My technical expertise has covered autonomous vehicles, electrification, market reform and transport big data giving me a breath of understanding in the sector to support in identifying priority areas of focus for the group.

techUK Intelligent Mobility and Transport Steering Board – Vice Chair nominations

James Comley, CGI

Job title: Senior Consultant

Please write a short professional biography/Profile (max 150 words)

Since 2001 James has supported businesses to improve efficiencies by addressing operational process and procedure through innovation and the delivery of systemic IT solutions.

A background in Supply Chain & Logistics has allowed James to develop a portfolio of Transport related solutions through the transfer of knowledge and IPR gained from other industry sectors.

With a vision of helping to create a better Global Transportation Network, James works closely with clients, partners and industry to transfer ideas to reality. Supported by a large network of IT professionals, including Emerging Technology and Cyber Teams, James takes both an operational and consumer view of the industry. With a clear understanding of the benefits technology and systems can deliver, James is able to consider the benefits of innovation and objectively review how it might (or might not) make a difference.

Please provide a short paragraph on how you will use your experience and insight to contribute to the Intelligent Mobility and Transport Steering Council (max 200 words)

James has been connected to the Transport & Logistics sector for many years, over which time has been fortunate enough to experience technology shifts to improve both operational efficiency and consumer experience.

With a process and engineering background, James is able to understand how technological or process improvement benefits output and can take the logical steps to encourage innovation at a pace which suits the sector.

James has access to a wealth of global industry knowledge and experts which can be drawn upon if needed, providing the council with additional resource to contribute to the endeavors of the Intelligent Mobility & Transport Steering Council.

With connections developing solutions across multiple industry sectors and technologies, James can draw on experience and colleagues to support aspects of Intelligent Mobility which include connectivity and enablers (SATCOM & 5G/Hybrid enablement), consumer/customer experience (Conversational AI & Accessibility solutions for PRM, data analytics and insight (Infrastructure & Emissions monitoring & prediction 'EDGE/IoT/Video Analytics'), integration of large scale deployments and project delivery experience; this hopes to support the council in shaping the future of transport with a considered, achievable and non-bias approach.

Julien Weyl, Stuart

Job title: Head of Sustainability

Please write a short professional biography/Profile (max 150 words)

Trained as an engineer, Julien started his career making satellites and planes at Airbus. After 6 years building advanced systems, his need to bring more positive impact to society grew, inspired by his side NGO work on climate and social change. He decided to further his education with an MBA degree at LBS and Columbia University where he focused on tech companies working on climate and social change. Moving from VC investment to tech startup, he cofounded 2 tech companies, helped tech mobility scale up VIA expand in Europe, and is now spending most of his time leading the sustainability agenda of the scale up

Please provide a short paragraph on how you will use your experience and insight to contribute to the Intelligent Mobility and Transport Steering Council (max 200 words)

The role and impact of the Intelligent Mobility and Transport Steering Council has never been so important. During my time at COP26 I saw the pace of change in how we are tackling climate change, and with it, the increased focus on businesses as a key force in reaching the 1.5C target.

While many businesses are getting up to speed on this topic, it is something I have been working on for much of my career, with a dedicated focus on transportation and mobility (airlines, ride sharing, logistics). The links between sustainability and the transportation and tech world are something I know well, and I am passionate about the role that such companies can play in tackling the climate urgency. In this role, I will bring my energy, knowledge, expertise, and network to support the agenda of all techUK members. I will bring fellow members together, alongside government and cities to help drive this agenda and demonstrate we can be one of the strongest forces of change, as thought leaders and action makers.

Dr Liz James, NCC Group

Job title: Senior Security Consultant / Transport Research Coordinator

Please write a short professional biography/Profile (max 150 words)

During my Engineering doctorate I worked closely with Jaguar Land Rover and designed an adaptive and context-sensitive telemetry system and explored Next Generation E/E architectures, based around Automotive Ethernet, and how they could utilize emerging standards, such as Time Sensitive Networking (TSN).

I was introduced to the problems that exist within organizations, as part of my EngD, including Information Security Management; Process design; Intellectual Property and various considerations around human performance in addition to the ever-present challenge of prioritizing and communicating research priorities to different stakeholders.

Within NCC Group I have worked alongside customers to address emerging cyber-security requirements, delivered technical assurance activities, led commercial research activities, undertaken independent research activities; supported the development and delivery of new products and services and worked with our public affairs team to develop corporate positions with regards to policy and regulation in the domains of Cyber-physical systems and Intelligent Mobility.

Please provide a short paragraph on how you will use your experience and insight to contribute to the Intelligent Mobility and Transport Steering Council (max 200 words)

The domain of Intelligent Mobility and Transport is one in which there is a lot of innovation and novelty. However, as with all novel and innovative ideas, ensuring security is included by design yet does not lead to a stifling of innovation is crucial.

I will look to contribute to the council by:

- Promoting a Secure-by-Design approach to Intelligent Mobility and Transport
- Providing insight into the overlap between Security, Safety and Privacy in the Intelligent Mobility and Transport domain
- Leverage the threat intelligence and strong background of cyber security research of NCC Group to provide perspectives on new and emerging technologies and threats.
- Highlighting and promoting examples of best practice in the form of policy and process improvements across the sector
- Emphasizing the value of supply chain considerations including resiliency and assurance
- Secure software development practices and proactively addressing security challenges including those that can exist within CI/CD pipelines.
- Security best practice across a range of security domains including hardware, software, and business process.

- Actively work with organizations working on emerging technologies, to preemptively identify novel and existing threats and identify mitigations proactively

Tom Williams, KPMG

Job title: Associate Director

Please write a short professional biography/Profile (max 150 words)

Tom is an Associate Director in KPMG's Infrastructure Advisory Practice. He works in the Infrastructure Advisory Future Mobility team where he provides consultancy services to clients spanning zero-emission mobility, intelligent transport, smart ticketing/fare payment systems, Mobility as a Service ('MaaS'), Connected & Autonomous Vehicle technologies, Demand Responsive Transport, and Command & Control.

Tom has experience in the delivery of public transport operations having led the technology and innovation division for a global bus operator. He has led multi-disciplinary engagements in the UK, USA, Latin America, Africa and India. He advises clients in the evaluation, design, and implementation, of changes to public transport networks. These have included the transition to zero emission fleets, delivering world class transport infrastructure projects, using big data and innovative technology to drive transport investment decisions and assessing the viability of emerging technological solutions (from autonomous vehicles to in-wheel electric motors).

Please provide a short paragraph on how you will use your experience and insight to contribute to the Intelligent Mobility and Transport Steering Council (max 200 words)

- I will leverage my experience working for both large and small organisations to bring a balanced view on how to deliver impact for a wide variety of UK industry.
- I will leverage my experience running my own small business and growing a global intelligent mobility start up to articulate the real-world barriers facing UK industry.
- My global knowledge will enable me to bring global best practice insight and will also aid in identifying issues and opportunities for UK industry in global markets.
- My work with the public sector (both local and national) will enable me to support in guiding the work to engage proactively and positively with government organisations.
- I have worked in live transport operations, and I know the practical realities of delivering transport services including intelligent mobility services such as autonomous vehicle operations and demand responsive transport. This gives me a good understanding of how to make intelligent mobility work on the ground.
- My technical expertise has covered autonomous vehicles, electrification, market reform and transport big data giving me a breath of understanding in the sector to support in identifying priority areas of focus for the group.