Time	Primary
09:00	Welcome & Agenda
09:15	Keynote: The Rise of the Citizen Data Scientist Through No Code Analytics *Presenter: Zandra Moore, CEO, Panintelligence* This session will cover democratizing data analytics through a no code platform to rapidly gain actionable insight. Using these insights, better and more focused data-driven decisions to improve business outcomes can be made. The platform use will be described and demonstrated as deployed in real world use cases.
09:45	Keynote: Near Real-time Analytics for Transport Network Planning and the Commonwealth Games 2022 *Presenter: Stuart Lester, Strategic Lead for Transport Intelligence, Transport for West Midlands* Transport for West Midlands has built a state-of-the-art Regional Transport Coordination Centre (RTCC) to improve customer communications. This is used during major planned events, such as the Commonwealth Games in Birmingham, and the massive construction works happening in the region. The residents, visitors, and businesses of the West Midlands want trusted travel information to plan the most sustainable, consistent journeys across the region. The internal team, supported by commercial partners applies the power of real-time 4 & 5G sensor-based data collection, cloud-computing resources, simulation as a service, a digital representation of the region, and the connecting strength of GIS. This session will cover the deployment of 4 & 5G-enabled sensors, linking the data together into meaningful analysis using GIS and the APIs from the same tools to communicate with the public.
10:30	Coffee Break
11:00	Composing Digital Twins using the Capability-Based Toolkit *Presenter: Sean Whiteley, Founder, Axomem*
11:45	Sustainable Digital Twin Workflow Utilizing the Platform Stack Reference Architecture *Presenter: David McKee, CEO, Slingshot Simulations*
12:30	Lunch

13:30	Augmented Reality for Enterprise Alliance (AREA) Introduction *Presenter: Mark Sage, Executive Director, AREA*
14:00	Capabilities and Technology Working Group Update *Presenter: Dan Isaacs, CTO, DTC*
14:30	Working Group Activities & Collaboration Opportunities *Presenter: Dan Isaacs, CTO, DTC*
15:15	Coffee Break
15:30	Regional Branch Organizer Update and Related Liaison Activities *Presenter: RBOs: Canada, France, Germany, Netherlands, UK*
16:45	Closing Remarks
17:00	Reception in Atrium

19:00

Wednesday 28 September 2022

Time	Primary
08:30	Welcome & Agenda
08:45	Keynote: Introduction to National Digital Twin Programme (NDTP - UK) *Presenter: Alexandra Luck, Joint Policy Lead, National Digital Twin Program* The NDTP is part of Government's programme of Cyber-Physical initiatives, which includes AI and robotics. The programme is working to develop the standards, guidance, processes and tools that will: firstly, enable people to gather, process, store and share information in a way that is trusted, secure and resilient – the Information Management Framework (IMF); and secondly, enable users to engage with, and visualise, the information in a way that meets their needs. Ultimately this will allow users to take static and dynamic information from an array of sources, interrogate it, simulate scenarios and optimise the assets, systems and processes to which the information relates, allowing the freedom to optimise decisions for public benefit. The third element is a demonstration programme that tests the application and cost-benefit of the outputs of the first two streams in real world, cross-sectorial

	challenges.
09:45	Digital Twins for Complex Financial Trading Systems *Presenter: Paul Brennan, Chief Strategy Officer, Imandra*
10:30	Coffee Break
11:00	Digital Twin Ecosystems *Presenter: Mark Wharton, Co-Founder & Inventor, IOTICS*
11:45	Geophysics and Solar Data for Extreme Weather Event Forecasting *Presenter: Bruce Leybourne, CEO, Stellar Transformer*
12:30	Lunch
13:30	Building Digital Twins for situational awareness and data-driven outcomes *Presenter: Sean Whiteley, Founder, Axomem* Description: Over the past 5 years Sean has been building digital twins for Enterprise-level clients. During this session he'll be sharing insights from two projects. One is a twin of a 2,000 bed acute care hospital to track and analyze patient movements, COVID19 and other diseases to predict infection risk. Another is a digital twin of an entire region of IT Infrastructure for a major automotive manufacturer, including agents to monitor and autonomously heal issues in near real-time. In addition, he'll review his mapping of his platform against the DTC Digital Twin Capabilities Periodic Table, and share his thoughts on how digital twins can better drive data-driven business outcomes.
14:00	TNO: Digital Twins for Nature *Presenter: Jeroen Broekhuijsen, Digital Factories Team Lead, TNO*
14:30	Coffee Break
15:15	Ecol Café End to End Enterprise Digitalization for I4.0 *Presenter: Eric Truffet, Masters Professor, ECAM Strasbourg-Europe*
15:45	The Role of Spatial Digital Twins for Contextual Awareness, Visibility and Intelligent Orchestration

	Presenter: Phillipe Sayegh, Chief Adoption Officer, VERSES
16:15	Demos in Atrium
16:45	Closing Remarks

17:00

Thursday 29 September 2022

Time	Primary
09:00	Welcome & Agenda
09:15	Keynote: Digital Twins for Supply Chain Management *Presenters: (Dr. Rajinder Bhandal, Leeds University Business School, Dr. Chee Yew Wong, Professor of Supply Chain Management, Leeds University Business School* For over 25 years, Prof. Wong has been working with companies to use supply chain data for making better decisions. He will share lessons learned from several supply chain visibility and analytics research projects. This includes the use of supply chain data to gain visibility and customer insights, and to predict demand and product returns in the power, construction, and consumer goods sectors. Aiming to inform digital twins solution developers, he will answer the following questions: How can supply chain managers benefit from digital twins? What types of digital twin solutions the supply chain managers need? How prepared are supply chain managers to adopt digital twins? How can we help them? Dr Bhandal has been teaching in higher education at university level for over 10 years. Her current research focuses on disruptive technologies including digital twin technology, big-data technologies, and blockchain technology. She will unpack the opportunities, challenges, and future direction of digital twins from an academic perspective, giving practical implications. Thus, the focus of the conversation will seek to shine a light on these pressing issues in the form of the following questions: How can digital twins help achieve competitive advantage in the context of supply chains and manufacturing?

	What are the challenges in supply chains around data management set against the backdrop of data digitization?
	How can digital twin technology help promote sustainable supply chains in keeping with the 'race to net zero'?
10:00	Member Feedback and Brainstorming - Q/A
10:30	Q3 Member Meeting Wrap-up and next steps
11:00	Tour - Living Lab: Smart Agriculture / Farming (Remote)
12:30	Lunch
13:30	Closing Remarks

13:45