

Day 1 - Tuesday 9th February 2027: scsc.uk/sss

	Track A: Using AI [Sansovino] Chairs: TBC		Track B: Cyber / Complexity [The Vaults] Chairs: TBC		Track C: Tutorials [Blue Room] Chairs: TBC		
09:00 – 10:00	Coffee and light breakfast						09:00 – 10:00
10:00 – 10:30	Keynote: Richard Hawkins, University of York	The BIG Argument for AI Safety Cases	-		-		10:00 – 10:30
10:35 – 11:00	Ben Fulford, BMT	From Prompts to Graphs: Improving the Credibility of AI-Assisted HAZOP through Knowledge-Graph Reasoning	Invited Speaker: Pearl N., BAE Systems	TBA	Simon Whiteley, Whiteley Safety	[Tutorial] STAMP Tutorial (TBC)	10:35 – 11:00
11:05 – 11:30	Invited Speaker: Mark Sujan, University of York	LLMs in Safety Management	Nikita Johnson Needle, Rolls-Royce SMR	The SafSec System Property: Understanding and Assuring Emergent Safety-Security Behaviour in Safety-Critical Systems	STAMP Tutorial...ctd		11:05 – 11:30
11:30 – 12:00	Coffee						11:30 – 12:00
12:00 – 12:25	John Jorgensen, Blue Origin	Navigating a Global Safety Crisis: The Gen AI Tidal Wave	Dan Locke, Coracademy Ltd	Forcing the Issue: How Cyber Security Risk Assessment Became Part of Military Airworthiness	Sven Fuelster, Deep Safety	From Confidence Scores to Failure Rates: Constructing — and Bounding — a Quantitative Safety Claim for ML-Based Perception	12:00 – 12:25
12:30 – 12:50	Chris Hobbs talking to Dave Banham	20 Quick Questions	-		-		12:30 – 12:50
12:50-13:50	Lunch						12:50-13:50
13:50 – 14:15	Oscar Slotosch, Validas	Safety of AI Models and AI Compilers	Chris Hobbs, Consultant	[Tutorial] Applying the SCSC Engineered Complex Systems Guidance	Taylor Thoman, C. Michael Holloway, NASA	[Tutorial] Extending the Overarching Properties with Ethical Principles	13:50 – 14:15
14:20 – 14:45	Matt Osborne, Cade McCall and Aaron Laycock, University of York	The Puddle Problem: Risk Estimation and Risk Tolerance in Autonomous System Decision-Making	Applying the SCSC Engineered ... ctd		Extending ... ctd		14:20 – 14:45
14:50 – 15:15	Jeff Joyce, Critical Systems Labs	AI-enabled Scenario-driven Evaluation of Safety Case Arguments	Stefano Costa, Bluewind	TBA	Marcel Beemster , Sjoerd van der Zwaan, Solid Sands	From “Qualify Once” to Continuous Assurance Compiler and Library Qualification for Safety-Critical Systems	14:50 – 15:15
15:15 – 15:45	Tea						15:15 – 15:45
15:45 – 16:10	Alan Simpson, Ebeni	Beyond the Hype: LLMs in Safety-Critical Engineering	Graham Sutherland, Consultant	Safety Engineering in the era of Big Data and AI - Seeking Trust in High Integrity Applications	Nick Tudor, D-RisQ	[Tutorial] Requirements Tutorial (TBC)	15:45 – 16:10
16:15 – 16:40	Pavlo Barkhayev, Mikhail Tchernikov, Capgemini Engineering Deutschland	Development of compliant AI-incorporating tools	John Jorgensen, Blue Origin	ASTM F47.01 WK76298: Yet Another “Motherhood” Standard, or a Commercial Space “First Principles” Revolution?	Requirements ... ctd		16:15 – 16:40
16:45 – 17:15	Keynote: Catherine Menon, University of Hertfordshire	What we talk about when we talk about AI	-		-		16:45 – 17:15
17:15 – 17:25	Short Break						17:15 – 17:25
17:25 – 18:15	Technical Entertainment with Paul Hampton and Karin Rudolph						17:25 – 18:15
18:15 – 19:45	Exhibition with free drinks and buffet meal						18:15 – 19:45

Day 2 - Wednesday 10th February 2027: scsc.uk/sss

	Track A: Safety Engineering [Sansovino] Chair: Mark Nicholson		Track B: Software [The Vaults] Chairs: TBC		Track C: Workshops [Blue Room] Chairs: Simon Whiteley		Stream D: Social		
08:00 – 08:30	Coffee and light breakfast								08:00 – 08:30
08:30 – 09:00	Keynote: Mario Trapp, Fraunhofer IKS	Triadic Intelligence: A Path to Safe AI Architectures	-		-		-		08:30 – 09:00
09:05 – 09:30	Anne Seldon, Soteira Consulting	Preserving Engineering Judgement in AI-Assisted Safety Engineering	Daniel Kaestner, AbsInt	Qualifying the Formally Verified Compiler CompCert for Safety-Critical Avionics Software	Benjamin Carvell, Richard Cannon, George De Ath, Richard Everson, Edward Henderson, Hodgkin, Frankie Hui, ,	Project Bluebird: Digital Twins and Agents for Air Traffic Control	-		09:05 – 09:30
09:35 – 10:00	Rhiannon Chilton, Mike Standish, and Brian Stevens, Defence Science and Technology Laboratory	Software Development Principles for Trustworthy Software	Bernhard Kaiser, Ansys, part of Synopsys	[Workshop] A SysML v2-Based Library Stack for Integrated System Development and Dependability Analysis	John Korna, Elhassan Mohammed, Nick Pepper, Rob Procter, Alvaro Sierra, Billal Sattar, Marc Thomas		-		09:35 – 10:00
10:00 – 10:30	Coffee								10:00 – 10:30
10:30 – 10:55	Claudius Jordan, modelwise GMBH	From Assertion to Evidence: Automating FMEDA via Executable C and Verilog	Bernhard Kaiser, Ansys, part of Synopsys	A SysML v2-Based Library ... ctd	Young and Early-career speakers	5 minute ‘pitch’ talks with £100 Amazon voucher prize	-		10:30 – 10:55
11:00 – 11:25	Rhodri Andrew, AtkinsRéalis	Safety at Machine Speed: Engineering Transparent Autonomy for High Tempo Operations	Daniel Kaestner, AbsInt	Efficient Abstract Interpretation-based Static Analysis of Recursive Programs		5 minute ‘pitch’ talks ... ctd	-		11:00 – 11:25
11:30 – 11:50	Mario Trapp talking to TBA	20 Quick Questions	-		-		-		11:30 – 11:50
11:55 – 12:25	Keynote: David Slater, Cardiff University and Consultant	Functional Systems Modelling: From Component Knowledge to System Understanding	-		-		-		11:55 – 12:25
12:25 – 13:25	Lunch								12:25 – 13:25
13:25 – 13:50	Chris Hobbs, Consultant	Addressing the Inefficiency of Safety Standard Development	Paul Hampton, Consultant	[Tutorial] AI Coding (TBC)	Divya Atkins, Martin Atkins, MCA	[Workshop] How to be Data-Safe (TBC)	-		13:25 – 13:50
13:55 – 14:20	Bren Hall, Ardent Innovation Labs	Thoughts on Structural AI alignment		AI Coding ... ctd		How to be ... ctd	Blackbeard to Banksy Walking Tour		13:55 – 14:20
14:25 – 14:50	Jeff Joyce, Critical Systems Labs	Product Line Assurance Cases Using Variability Points	Jonathan Pallant, Ferrous Systems	[Tutorial] Building safety-critical systems in Rust (TBC)	Alex Barker, Consultant	[Workshop] Aligned to What? A Safety-Critical Systems Perspective on AI Alignment	Blackbeard to Banksy Walking Tour ... ctd		14:25 – 14:50
14:55 – 15:20	Beatriz Couthino, Cranfield University	TBA		Building safety-critical systems ... ctd		Aligned to what ... ctd	Blackbeard to Banksy Walking Tour ... ctd		14:55 – 15:30
15:20 – 15:50	Tea								
15:55 – 16:20	Marc Zeller, Nishanth Laxman and Ioannis Sorokos, Siemens Mobility and Fraunhofer IESE	Towards Cross-Domain Safety Argumentation under Uncertainty	Gabriel Pedroza, Synopsys	[Workshop] Autonomy Solution: A Digital-MBSE & Simulation-based Framework for Design and Validation of Safety- and Mission-critical AI/ML Systems	Jesper Brännström, Consultant	[Workshop] AI-Assisted Safety Case Review Using SCCG and Assurance Forge	MShed visit (TBC)		15:40 – 16:20
16:25 – 16:50	Dieter Fasol MBDA Deutschland	(Model based) modular safety case in the upcoming NGVA (NATO Generic Vehicle Architecture) Safety Volume		Autonomy Solution ... ctd		AI-Assisted Safety Case Review ... ctd	MShed visit ... ctd		16:25 – 16:50
17:00 – 18:30	Poster session with £100 Amazon voucher prize								17:00 – 18:30
19:00 – 23:00	Pre-dinner drinks followed by Banquet. After-dinner speaker Harold Thimbleby introduced by TBA. Post-banquet activity: TBA								19:00 – 23:00

Day 3 - Thursday 11th February 2027: scsc.uk/sss

	Track A: Agents / Uncrewed Systems / SMS / Environment [Sansovino] Chairs: TBC		Track B: Evolving Good Practice [The Vaults] Chair: Davy Pissoort		Track C: Accidents & Assurance [Blue Room] Chairs: TBC		
08:00 – 08:30	Coffee and light breakfast						08:00 – 08:30
08:30 – 09:00	Keynote: Christopher Burr, Turing Institute	What Counts as Evidence? Dynamic Assurance for Agentic Digital Twins	-		-		08:30 – 09:00
09:05 – 09:30	Invited Speaker: John McDermid, University of York	Assurance of Agentic AI (TBC)	Stephen Bull, Ebeni	Railway Industry Hazard Framework	Lavinia Burski, Yuhui.Lin, AtkinsRealis	Static Analysis for Autonomous Systems: Assuring Safety through AI–Non-AI Architectural Separation (TBC)	09:05 – 09:30
09:35 – 10:00	Alex Barker, Consultant	Understanding the Totality of Risk in Uncrewed Systems: A Risk Aggregation Approach	Mohammed Tloul, Laure Buysse, Dries Vanoost, Davy Pissoort, KU Leuven and Flanders Make@KU Leuven	You Find What You Look For: How Analysis Purpose and Perspective Shapes STPA Results	Jesper Brännström, Consultant	[Tutorial] Safety Case Core Guidelines: A Framework for Structured Argumentation Quality	09:35 – 10:00
10:00 – 10:30	Coffee						10:00 – 10:30
10:30 – 10:55	Invited Speaker: Jimmy Lirvat, GTWings	A Safety Assurance Framework for Autonomous Wind-Assisted Ship Propulsion (TBC)	Michael O'Connor, Consultant	[Tutorial] An Open, Machine-Checked Assurance Case for a Safety-Critical Dose-Titration Advisor: Integrating Technical and Ethical Principles via IEC 63187	Peter Ladkin, Causalis, Abigail Post, Consultant	[Tutorial] Resilience	10:30 – 10:55
11:00 – 11:25	Jessica Morris, Stewart Field, Safeguard Engineering	Examining the Risks Associated with the Interface between Remote Operation Centre(s) and Maritime Platforms	An Open, Machine-Checked... ctd		Resilience ... ctd		11:00 – 11:25
11:30 – 11:50	Clare Crowley talking to Mark Sujan	20 Quick Questions	-				11:30 – 11:50
11:55 – 12:25	Keynote: John Holmes, NATS	Challenges of Safely Integrating Advanced Air Mobility Operations into UK Aviation Ecosystem	-				11:55 – 12:25
12:25 – 13:25	Lunch						12:25 – 13:25
13:25 – 13:50	Invited Speakers: Clare Crowley, HSSIB; Simon Whiteley, Whiteley Safety	Lessons from Applying STAMP in a National Healthcare Investigation of Electronic Prescribing and Medication Administration	Colin O'Halloran, DRisQ	[Workshop] Safeguarding software generated by AI	Vikas Ghatge, KU Leuven	Ensuring Safety and Effectiveness of Medical Devices in the Presence of Electromagnetic Disturbances through Unified EMC Assurance: A Resilience Pattern	13:25 – 13:50
13:55 – 14:20	Si Hays, SCSC	Beyond Aviation: Applying Safety Management Systems to Scientific Discovery, Complex Engineering and Artificial Intelligence	Safeguarding software ... ctd		Kholoud Hatem, SAFEROBO LLC	[Tutorial] A Hybrid Two-Dimensional Methodology for Safety Case Development Integrating Claim-Driven Reasoning and Evidence	13:55 – 14:20
14:25 – 14:50	Abigail Post, Martijn IJtsma OSU	Envisioning Safety Management System Evolution for Artificial Intelligence in Safety-Critical Domains	Jon West, Consultant	Developing corporate-level safety cases: from aviation to ports (TBC)	A Hybrid ... ctd		14:25 – 14:50
14:50 – 15:20	Tea						14:50 – 15:20
15:20 – 15:45	Thayyab Hussain, Paul Hogan, Safeguard Engineering	Uncrewed Maritime Autonomy and Lithium-Ion Batteries: Closing the Safety and Environmental Assurance Gap	Ben Fulford, BMT	[Workshop] Rest Assured: A serious game for teaching the fundamentals of AI assurance	Nick Tudor, DRisQ	[Workshop] Update on PLatForM	15:20 – 15:45
15:50 – 16:15	James Inge, Sarah Whittaker, National Armaments – Materiel	Safe systems, sustainable outcomes: applying an environmental lens to critical systems	Rest Assured ... ctd		Update on PLatForM ... ctd		15:50 – 16:15
16:20 – 16:50	Keynote: Phil Koopman, CMU	The inevitable role of using people to handle edge cases for any embodied/physical AI system (TBC)					16:20 – 16:50
16:50 – 17:00	Close						16:50 – 17:00