UK Research and Innovation

TAS Node in Functionality

Name	Organisation	Email	Areas of research
Dr S Windsor (PI)	University of Bristol	shane.windsor@bristol.ac.uk	How biological systems interact with environmental fluid flows and how we can use bio-inspiration to improve engineered technologies.
Dr J J J Downer	University of Bristol	john.downer@bristol.ac.uk	Issues relating to the nature of expert authority, and the role of experts in debates about environmental and technological risk
Professor K Eder	University of Bristol	kerstin.eder@bristol.ac.uk	Specification, verification and analysis techniques
Dr JCS Ives	University of Bristol	j.ives@bristol.ac.uk	Clinical and research ethics
Professor JM Rossiter	University of Bristol	jonathan.rossiter@bristol.ac.uk	Soft robotics
Dr S Hauert	University of Bristol	sabine.hauert@bristol.ac.uk	Swarm engineering

UK Research and Innovation

TAS Node in Governance and Regulation

Name	Organisation	Email	Areas of research
Professor S Ramamoorthy (PI)	University of Edinburgh	s.ramamoorthy@ed.ac.uk	Robot Learning for Decision Making under Uncertainty, Dexterous Manipulation and Control, Human-Robot Interaction, Physics-informed Machine Learning, Safe and Trustworthy Artificial Intelligence
Professor S Vallor	University of Edinburgh	svallor@ed.ac.uk	Philosophy and ethics of emerging science and technology
Dr A Rajan	University of Edinburgh	arajan@ed.ac.uk	Automated software testing techniques
Professor A Lascarides	University of Edinburgh	alex@inf.ed.ac.uk	NLP
Professor AA Miller	University of Glasgow	Alice.Miller@glasgow.ac.uk	Using mathematical techniques to analyse complex software systems.
Professor A Crabtree	University of Nottingham	andy.crabtree@nottingham.ac.uk	Design ethnography
Professor B Schafer	University of Edinburgh	B.Schafer@ed.ac.uk	Computational legal theory
Professor RA Williams	Heriot-Watt University	tbc	tbc
Professor C Marsden	University of Sussex	C.Marsden@sussex.ac.uk	Internet law

Professor A Bundy	University of Edinburgh	a.bundy@ed.ac.uk	Analysis of, development of, and interaction between reasoning processes
Dr V Belle	University of Edinburgh	vaishak@ed.ac.uk	Explainable AI, ML, Cognitive Robotics, Integrated task and motion planning.
Professor A Ireland	Heriot-Watt University	a.ireland@hw.ac.uk	Automated reasoning and formal methods
Dr H Chockler	Kings College London	hana.chockler@kcl.ac.uk	Formal Verification of Hardware; Formal Verification of Software; Causality; Coverage and Vacuity; Explanation of Counterexamples; Software Testing.
Dr LD Urquhart	University of Edinburgh	lachlan.urquhart@ed.ac.uk	Technical, sociological, and interactional implications of living with interactive computing
Dr PB Jackson	University of Edinburgh	Paul.Jackson@ed.ac.uk	Development of formal verification tools and their application
Dr P Li	University of Sussex	Phoebe.Li@sussex.ac.uk	IP, regulation of science and technology, development and international trade.

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TAS Node in Resilience

Name	Organisation	Email	Areas of research
Dr R Calinescu (PI)	University of York	radu.calinescu@york.ac.uk	Formal modelling, analysis, verification and controller synthesis for autonomous and self-adaptive systems and processes.
Professor M Levine	Lancaster University	mark.levine@lancaster.ac.uk	Role of social identity and group processes in prosocial and anti-social behaviour
Professor S Dogramadzi	University of Sheffield	s.dogramadzi@sheffield.ac.uk	Medical robotics
Professor B Nuseibeh	Open University	bashar.nuseibeh@open.ac.uk	Requirements engineering and design for security, privacy, and digital forensics applications.
Professor LS Mihaylova	University of Sheffield	L.S.Mihaylova@sheffield.ac.uk	Non-linear filtering, sequential Monte Carlo methods, statistical signal processing and sensor data fusion
Dr Katie Plant	University of Southampton	K.plant@soton.ac.uk	Human Factors Engineering; Cognitive Work Analysis; Hierarchal Task Analysis; Error Analyses and Critical Path Analysis.

Dr J A Law	University of Sheffield	j.law@sheffield.ac.uk	Human-robot collaboration, TAS, responsible innovation
Professor J Wilson	University of York	julie.wilson@york.ac.uk	Application of mathematical modelling and statistical methods to biological and chemical problems.
Dr A Bennaceur	Open University	amel.bennaceur@open.ac.uk	Developing trustworthy adaptive and intelligent systems
Professor A Thiruvallore Thattai	University of York	t.t.arvind@york.ac.uk	Law and ethics
Professor A Thomas	University of York	ap.thomas@york.ac.uk	Political philosophy, political economy, moral philosophy and social epistemology
Dr I Habli	University of York	ibrahim.habli@york.ac.uk	Design and assurance of safety critical systems.
Professor ALC Cavalcanti	University of York	ana.cavalcanti@york.ac.uk	Probabilistic modelling and verification

UK Research and Innovation

TAS Node in Security

Name	Organisation	Email	Areas of research
Professor N Suri (PI)	Lancaster University	neeraj.suri@lancaster.ac.uk	Design, analysis and assessment of trustworthy cloud systems and software
Professor G Inalhan	Cranfield University	Inalhan@cranfield.ac.uk	Design, modelling, GNC, resilience, and security aspects of autonomy and AI for air, defence, transportation and space systems, as well as explainable AI for TAS
Professor CA May-Chahal	Lancaster University	c.may-chahal@lancaster.ac.uk	Socio-technical aspects of human security through developing and applying new technologies
Professor PP Angelov	Lancaster University	p.angelov@lancaster.ac.uk	Autonomous learning, evolving systems, and explainable by design prototype-based deep learning
Professor A Tsourdos	Cranfield University	a.tsourdos@cranfield.ac.uk	Guidance, control, navigation, mission planning, and decision making of AVs
Professor W Guo	Cranfield University	w.guo@cranfield.ac.uk	Design data-driven solutions for socio-cyber-physical ecosystems

Dr L Dorn	Cranfield University	L.Dorn@cranfield.ac.uk	Design and evaluation of interventions to improve driver safety
Dr C Easton	Lancaster University	c.easton@lancaster.ac.uk	Internet governance, IP, access to technology and human/computer interaction
Dr V Giotsas	Lancaster University	v.giotsas@lancaster.ac.uk	Novel network measurement and large-scale data analysis techniques to identify, monitor and model the interconnection structure of critical cyber-infrastructures and defend against cyber threats
Professor D Hutchison	Lancaster University	d.hutchison@lancaster.ac.uk	Resilience for communications and networked systems
Dr JE Deville	Lancaster University	j.deville@lancaster.ac.uk	Disaster preparedness and the production/materialisation of risk

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TAS Node in Trust

Name	Organisation	Email	Areas of research
Professor HF Hastie (PI)	Heriot-Watt University	h.hastie@hw.ac.uk	Intelligent interaction for autonomous systems; multimodal, spoken dialogue and mobile systems, evaluation of spoken dialogue systems; affective computing and human-robot interaction; NLP; Health informatics.
Professor A Cangelosi	University of Manchester	angelo.cangelosi@manchester.ac.uk	Cognitive robotics, AI and cognitive science
Professor G Rajendran	Heriot-Watt University	T.Rajendran@hw.ac.uk	How new technologies might influence the social and cognitive development of children
Professor Y Demiris	Imperial College London	y.demiris@imperial.ac.uk	AI, ML and Intelligent robotics

UK Research and Innovation

TAS Node in Verifiability

Name	Organisation	Email	Areas of research
Professor M Mousavi (PI)	King's College London	mohammad.mousavi@kcl.ac.uk	Model-based testing, verification and concurrency theory
Dr U C Turker	University of Leicester	u.c.turker@le.ac.uk	Model-based testing
Professor M Fisher	University of Manchester	michael.fisher@manchester.ac.uk	Use and usability of software verification methods
Dr J Rojas Siles	University of Leicester	j.rojas@leicester.ac.uk	Behaviour application programme interfaces
Professor JCP Woodcock	University of York	jim.woodcock@york.ac.uk	Application of industrial-scale software engineering and formal methods.
Dr G Kefalidou	University of Leicester	gk169@leicester.ac.uk	Human-computer interaction
Professor R Hierons	University of Sheffield	R.Hierons@sheffield.ac.uk	Software testing
Dr L Dennis	University of Manchester	louise.dennis@manchester.ac.uk	AI, agents and autonomous systems and automated reasoning
Professor R Richardson	University of Leeds	R.C.Richardson@leeds.ac.uk	Exploration robotics for safety and security; Surgical technologies for health and wellbeing; Rehabilitation and prosthetics for health and wellbeing
Professor IY Tyukin	University of Leicester	I.Tyukin@le.ac.uk	AI and ML for computer vision

Professor LE Law	University of Leicester	lcl9@le.ac.uk	HCI, usability, user experience, Technology-enhanced learning, conversational agents, mixed reality.
Professor G Brown	University of Manchester	Gavin.Brown@manchester.ac.uk	Machine learning
Dr B Kaddouh	University of Leeds	B.Kaddouh@leeds.ac.uk	Robotics and autonomous systems, embedded systems, robotic infrastructure inspection and maintenance, mission management systems
Dr J O Ringert	King's College London	jan_oliver.ringert@kcl.ac.uk	Model-based software development
Dr C Zhou	University of Leeds	C.X.Zhou@leeds.ac.uk	Humanoid robotics; Legged Locomotion; Motion planning; Robot Kinematics and Dynamics
Professor ALC Cavalcanti	University of York	ana.cavalcanti@york.ac.uk	Probabilistic modelling and verification