



Technical Leadership Professional Exchange

Mission Critical: Space, Satellites, Skills Excellence and Securitisation

13 March 2025, 9.30-4.30pm

**Satellite Application Catapult, Electron Building, Fermi Avenue, Didcot,
Oxford, OX11 0QR**

Harwell Campus

WorldSkills UK Centre of Excellence in partnership with NCFE, and in collaboration with Innovate UK, and the Satellite Application Catapult- an elite technology and innovation company based at the Harwell Campus in Oxfordshire, are pleased to invite you to join us for our Technical Leadership Professional Exchange on the 13 March 2025.

The Satellite Application Catapult is one of nine UK Catapults dedicated to boosting our national capability and promoting growth in strategically important areas of innovation and technology. Growing the UK space sector by increasing integration of space data, technology and services into non-space sectors, where doing so can make the greatest possible difference to global society.

Big data and rapid technological advancements can be hugely beneficial, improving business performance in a diverse range of industry sectors, from healthcare to agriculture, retail and e-commerce to entertainment, logistics, finance, emergency response, defence and securitisation, and helping us to build an infrastructure, solving problems and international security challenges, and enhancing the quality of our lives. It's therefore essential that we raise our awareness of the concept of ubiquitous data to understand the digital landscape of the 21st Century and harness available data to support UK growth.



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Data is present everywhere and generated continuously from various sources, driven by growth of digital technologies and the Internet of Things (IoT). It's a phenomenon that impacts individuals and industries shaping everything from personalised user experiences to transformative business models, from smartphones to smart homes and cities, to wearable technologies improving personalised healthcare to industrial Internet of Things, data is being generated, collected and analysed to enable informed decision-making to improve lives and solve the challenges of our lifetime. Big data, data science and technological advancements are causing a paradigm shift in how we live, work and interact.

Change is the only constant, and there is always room for improvement in the adoption and diffusion of technologies and ideas. In business and education there is learning taking place, as we develop our understanding of data science, analytics and AI, and explore their integration into our everyday activities, across organisations, to transform and improve lives.

On offer is an exciting programme of CPD, designed to bring education, industry and technologists closer together, to inspire and provoke thought leadership, and share insights and effective practice, as we focus together on raising standards, championing future skills, and empowering young people and businesses to succeed.

The UK Government has set out comprehensive plans to grow the UK economy, with skills rightly recognised as a critical element for boosting productivity and improving living standards. Eight growth driving sectors have been identified- Advanced Manufacturing, Clean energy industries, Creative Industries, Defence, Digital and Technologies, Financial Services, Life Sciences, and Professional and Business Services.

Alongside our partners in education and industry, our aim at WorldSkills UK, is to deliver at scale, directly into places of learning and work, the world-class technical skills demonstrated by our Team UK 'Skills Olympians' at the biennial WorldSkills international competition, the 'Skills Olympics', hosted in Lyon, France in September 2024.

The professional exchange will serve to bring industry and education technical experts together to discuss and explore opportunities, challenges, and solutions to problems, because of technological advancements, and the constantly evolving skills and education and training landscape. We will explore learning from industry, technologists and education in terms of big data and the effective harnessing of technology to find solutions to everyday challenges, while improving life chances, meeting the needs of individuals, and supporting businesses and communities to thrive.

The focus will be on people and places, developing skills excellence to achieve growth and economic sustainability. Creating opportunities for almost limitless potential for people to collaborate, and for technologies that were developed in one sector, to help effectively shape another.

Together we are part of a vibrant further and higher education ecosystem, transforming lives and 'unlocking and unleashing' potential. We do hope you can join us for an exciting, and useful programme of CPD that will provide you with insights, ideas and resources that will support raising standards and the championing of future skills to break down barriers to opportunity through skills excellence.

For further information, and to register to attend, please use this [link](#).



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Time	Summary
09.30-10.10	Registration and refreshments
10.10-10.30	Welcome, introduction and context setting (WorldSkills UK) Raising standards, championing future skills, and empowering young people and businesses to succeed.
10.30-10.50	Welcome- Discovering and exploring mission critical innovation About the Satellite Application Catapult at the Harwell Campus. Solving challenges with digital technologies and ensuring that bright futures come from today's discoveries.
10.40-11.20	Raising standards and championing future skills: Workforce Foresighting Bringing education and industry closer together - Partnerships for goals!
11.20-11.35	Break
11.35-12.35	Digital transformation solutions in education and key industry growth sectors: Using big data, and harnessing technology to find solutions to everyday challenges.
12.40-13.15	Panel discussion - Creating growth: Supporting learner progression
13.15-14.10	Lunch and Networking
14.15-14.45	Creating ladders of opportunity in Further and Higher Technical Education and Training: Learning from education and industry
14.45-15.20	Partnership working for effective curriculum planning: People and place!
15.20-16.00	Mindset for success: Developing skills excellence The Innovation, Commercialisation, and Entrepreneurship (ICE) Skills Framework maps the different skills required to carry out tasks associated with innovation, commercialisation, and entrepreneurship activities. It enables individuals with a mindset for success, and forward-thinking organisations, to assess their, or their teams', skills profiles, and identifies opportunities to develop or acquire skills to meet their goals, inspiring innovation, and inspiring potential! This workshop will introduce the ICE Skills Framework and will discuss how it can be applied in different contexts, with a particular emphasis on technical teaching and training, and developing T-shaped learner characteristics, and a mindset for success. It will guide participants through the process of developing tools to fit diverse skills assessment needs, overcoming barriers to opportunity, mainstreaming international best practice. (WorldSkills UK, Innovate UK, Centre of Excellence members)
16.00-16.10	Plenary and evaluation
16.10-16.30	Turning great ideas into reality and staying at the forefront of innovation. An Opportunity for a guided tour of the Satellite Application Catapult.

To attend this event please register [here](#)

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