Job Description

Position / Job Title:	**Postdoctoral Researcher in Socio-Technical Resilience & Innovation Management (MosAIcSOC) (Fixed Term, 0.6 FTE)**
Ref:	**884**
Location/Building:	**Poole House – Talbot Campus**
Faculty/Professional Service:	**Faculty of Media, Science & Technology**
Group/Section:	**School of Computing & Engineering**
Duration if Temporary:	**Fixed Term between February 2027 to August 2029**
Normal Hours per Week:	**22.2 hours (0.6 FTE)**
(Some flexibility will be required in order to ensure that key time scales and deadlines are met).	
Grade:	**6**
Accountable to:	**Dr Ala Yankouskaya (Principal Investigator)**

Job Purpose

- To plan, design and conduct socio-technical research within MosAIcSOC, with a focus on human factors, stakeholder engagement and the evaluation of AI-empowered SOC solutions in real pilot settings.
- To support BU's role as Project Coordinator, including day-to-day project, risk, quality and innovation management across a large multi-partner consortium.
- To contribute to the project's innovation, exploitation and sustainability activities, including business models for the SOC App Store ecosystem of SMEs and start-ups.
- To produce related published outputs and to disseminate the project results to academic, industry, policy and public audiences.

Main Responsibilities

Research

- Deliver the research objectives of BU's work within the timeframes of the project, ensuring the achievement of project deliverables, milestones and outcomes.
- Plan, design and conduct research using recognised approaches, methodologies and techniques, including surveys, interviews, focus groups, stakeholder workshops, systematic literature reviews and statistical analysis.
- Lead socio-technical and human-factors research with SOC analysts, CSIRT/CERT staff, healthcare and assisted-living personnel and SME technology providers, to inform user and stakeholder requirements and the human-factor, trust and usability dimensions of the pilot evaluation framework.

- Support BU's coordination of pilot execution, monitoring and data collection, organise evidence collection, maintain KPI measurement records, gather and analyse stakeholder feedback, and contribute to cross-pilot evaluation.
- Contribute to the design of crisis simulation and scenario-based exercises from a human and organisational perspective, such as decision-making, communication and coordination during incidents.
- Contribute to the assessment of the project's socio-economic and environmental impact, including the sustainability benefits of Digital Twin based testing.

Project coordination and management

- Attend and represent the BU team in work package and task meetings.
- Support the Project Coordinator and Principal Investigator in day-to-day project coordination: maintain the integrated work plan, milestones and dependencies; organise and document consortium meetings (agendas, minutes, decision and action logs); and prepare periodic reports and review material for the European Commission.
- Assist in liaising with consortium partners, the European Commission project officer and BU Research Development and Support on reporting, compliance, finance and resource monitoring.
- Support maintenance of the project Risk Register and quality assurance processes, including the peer review of deliverables.
- Support resource monitoring for technical deliverables.
- Ensure the maintenance of data and records in accordance with the appropriate protocols, including research ethics approval, GDPR, the project Data Management Plan and the handling of sensitive deliverables.

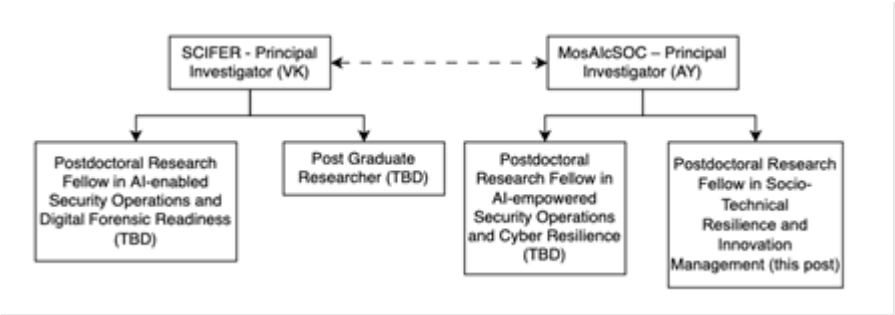
Innovation, exploitation and sustainability

- Support innovation and intellectual property management.
- Contribute to business model and value creation analysis for key project assets (e.g., the SOC App Store and Digital Twin environment), including onboarding pathways for SMEs and start-ups and sustainability pathways beyond the life of the project

Dissemination and professional development

- Write up research work for publication, to include peer-reviewed journal and conference papers, project deliverables and reports.
- Present findings at national and international conferences, workshops and the project information day, and contribute to communication, knowledge exchange and public engagement activities.
- Organise and facilitate stakeholder workshops, webinars and co-creation sessions with end users, SMEs, public authorities and industry partners.
- Participate in team meetings and committees as appropriate and provide support and guidance to other staff and research students as appropriate.
- Continue to develop a body of published work relevant to own discipline both in terms of type and volume.
- Build relationships with internal and external contacts to exchange information, publish outputs and develop future collaborations and funding proposals.
- Undertake personal and professional development activities in line with the agreed appraisal and development programme to enhance personal knowledge and contribution to relevant activities.

Organisation Chart



Dimensions

Total project award: €5.9 million

MosAIcSOC (Modular Operational Security with AI-powered Intelligence and Collaboration for Security Operations Centers) is a 36-month, EU-funded collaborative project awarded under the HORIZON-CL3-2025-02-CS-ECCC-02 call and coordinated by Bournemouth University with 18 partners across Europe (Universities, SMEs, Industry, CERTs, Public Authorities and Healthcare Organisations). The project is developing a modular, AI-empowered Security Operations Centre (SOC) framework built around a Common Data Model, a trusted SOC App Store for validated security tools, Digital Twin environments for crisis simulation and resilience testing, federated learning and explainable, human-centred decision support. The framework will be validated in pilots across critical sectors, including healthcare and assisted living.

As Project Coordinator, BU leads project management, risk and quality management, and innovation and intellectual property management. BU also leads attack generation, crisis simulation and resilience validation, leads pilot execution, monitoring and data collection across all pilots, and is technical lead of Pilot 1 (healthcare and assisted living). The postholder will be a core member of the BU team and will focus on the socio-technical, human-factors, coordination and innovation dimensions of the project. Research delivery is the primary purpose of the post, with project coordination and management undertaken as supporting responsibilities to enable delivery of the project's research objectives.

Contacts:

Internal: Dr Ala Yankouskaya, Prof. Vasilis Katos, other Post Doc Researchers and PGR on MosAIcSOC and SCIFER projects.

External: all partners of MosAIcSOC consortium

Challenges: The main challenges are conducting rigorous socio-technical research across diverse pilot settings, translating findings into practical input for technical development and evaluation, and engaging partners and end users across an international consortium. This requires maintaining research ethics and data quality, while prioritising research delivery and providing agreed coordination and innovation support within project timescales.

Information Governance Responsibilities

Data User

Comply with the associated data protection, information security, information management and information technology regulations, policies, processes and procedures.

Safeguarding and Regulated Activity

If the role involves engaging in regulated activity relevant to vulnerable groups including children and disabled adults, it is an offence to apply for and perform the role, if a person is barred from engaging in regulated activity. Further information is available in BU's Safeguarding Policy and Suitability Statement on the Recruitment and Employment of Ex-offenders.

Additional Information

NB: The purpose of the job description is to indicate the general level of responsibility and location of the position. The duties may vary from time to time without changing their general character or level of responsibility.

BU is an equal opportunities employer which values a diverse workforce. The post holder must at all times carry out their responsibilities with due regard to the University's Dignity, Diversity and Equality Policy Statement.

Our highly skilled and creative workforce is comprised of individuals drawn from a broad cross section of the globe, and who reflect a variety of backgrounds, talents, perspectives and experiences to build our global learning community. Through fused activity, the post holder must have an understanding of and commitment to promoting a global outlook.

All employees have an obligation to be aware of the University's Sustainability Policy, Climate and Ecological Crisis Action Plan, Travel Plan and associated documents, and to ensure that they carry out their day-to-day activities in an environmentally responsible manner and inspire students to do the same.

November 2026

Person Specification

Position / Job Title: Postdoctoral Researcher in Socio-Technical Resilience & Innovation Management (MosAIcSOC)

Position No:
Faculty / Service: Faculty of Media, Science and Technology
Date: November 2026

SELECTION CRITERIA	Essential / Desirable
Knowledge (including experience & qualifications)	
PhD (or viva corrections completed by start date) in a relevant field (social sciences, business and management, information systems, human factors, cybersecurity or a related discipline)	**E**
Research experience in collaborative, multi-partner, EU-funded research projects (e.g., Horizon 2020, Horizon Europe, Interreg)	**E**
Proven leadership role in large consortium settings	**E**
Proven experience of project management and administration of EU-funded projects (e.g., work planning, periodic reporting, risk registers, consortium communications, KPI monitoring, HR or finance processes in HE)	**E**
Relevant experience of research in one or more of the following methods: quantitative surveys and statistical analysis, interviews, focus groups, stakeholder workshops	**E**
Strong grasp of research ethics and inclusive practice with diverse participants and stakeholders; clear attention to data integrity and GDPR	**E**
Evidence of research skills including production of peer-reviewed publications in a relevant field	**E**
Knowledge of human factors or human-centred approaches to socio-technical systems (e.g., human-in-the-loop, trust, user attitudes and behaviour)	**D**
Knowledge of digital technologies in critical or infrastructure sectors (e.g., smart cities, IoT, maritime, transport, healthcare) and an interest in cybersecurity and operational resilience	**D**
Knowledge of innovation management, exploitation, value creation and business models (e.g., Business Model Canvas), including engagement with SMEs and start-ups	**D**
Experience of contributing to competitive research funding proposals	**D**
Track record of public engagement, stakeholder engagement, workshop facilitation or impact-oriented research	**D**
Experience of academic service, such as peer reviewing or conference/workshop organisation	**D**
Skills	
Research and writing skills to a publishable standard, including technical reports and project deliverables	**E**
Excellent organisational and administrative skills, with the ability to manage competing deadlines	**E**
Excellent interpersonal skills	**E**
Ability to work well both as team member and on own initiative	**E**

SELECTION CRITERIA	Essential / Desirable
Able to communicate well at all levels, both internally and with external partners across an international, interdisciplinary consortium	**D**
Experience of teaching, training or facilitating workshops for diverse audiences	**D**
Knowledge and experience of survey and data analysis software (e.g., Qualtrics, SPSS, R, NVivo)	**D**
Attributes	
Able to identify research and professional practice activities relevant to research community	**E**
Highly motivated to work in interdisciplinary cybersecurity and socio-technical research	**E**
Flexible, adaptable with strong team working skills	**D**
Willingness to travel within Europe for consortium meetings and pilot activities	**D**