UNIVERSITY OF WARWICK | Centre for Applications of Mathematical & Computing Sciences

Centre for Applications of Mathematical and Computing Sciences (CAMaCS)

About us

CAMaCS connects expertise from across Mathematics, Statistics, and Computer Science to support interdisciplinary, impact-focused research. We can contribute expertise in areas including mathematical modelling, statistical and data analysis, machine learning, artificial intelligence, and the wider mathematical and computing sciences.

CAMaCS has a team of seven **Innovation Research Associates (InRAs)**: researchers, all possessing a PhD in mathematical or computing sciences, with broad, adaptable expertise across the remit of CAMaCS who can contribute across a wide range of projects. InRAs can help seed new research, add value beyond the core objectives of a grant, strengthen engagement with external stakeholders, and support the development of pathways to impact.

You can read more about the skills and experience of our team on our website: https://warwick.ac.uk/fac/sci/camacs/

Our InRAs have supported projects on modelling for climate resilience, AI algorithms for the second-hand fashion market, fairness in 'random' draws for sporting competitions, AI-augmented mathematical frameworks for financial and insurance regulation, mapping of disease trajectories, data visualisation, battery manufacturing, and the application of natural language processing in policy review. InRAs have also been costed into grant applications across a wide spectrum of research areas, including (but not limited to) social housing repairs management, air traffic control, resource deployment of police officers, and the use of agentic AI in city governance, radiation transport, and digital twins.

If you are preparing a grant application that could benefit from the expertise of our team, you may be able to include an InRA in your project costs, subject to availability. Our team can also support existing funded projects. Being already in post, InRAs have the advantage of being costed in at fractional FTE and non-conventional periods of time if necessary. Please contact our Programme Manager, Hajnal Farkas, to discuss the possibility of adding an InRA to your current project or to your project funding proposal so that we can discuss your needs, identify the most appropriate support, and confirm the availability of InRAs in our team.

You can contact us by emailing camacs@warwick.ac.uk. We look forward to hearing from you!