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<b>Title</b>	Systems modelling and Integration
<b>Abstract</b>	<p>A key issue in modern systems engineering is the design, specification, development, verification and integration of systems. These systems incorporate physical and mechanical components, as well as software and hardware. Behaviours, especially in the event of component failure need to be understood if high levels of confidence in the behaviour of systems is to be achieved.</p> <p>This research programme will focus on the role that refinement– based methodologies can play in the modelling, analysis and verification of complex systems and systems integration. The Research Engineer will investigate how the methodology can be used to model components of systems, and how it can be used when considering systems implementations and configurations.</p>