

<p>Name of the Catapult (s)</p>	<p>High Value Manufacturing Catapult (HVMC) Satellite Applications Catapult (SAC)</p>
<p>Location (s)</p>	<p>At one or more of the HVMC centres and at the SAC HQ (Harwell)</p>
<p>Description of the Catapult(s)</p>	<p>The Catapult centres are a network of not for profit world-leading centres designed to transform the UK's capability for innovation in specific areas and help drive future economic growth.</p> <p>The High Value Manufacturing (HVM) Catapult is the catalyst for the future growth and success of advanced manufacturing in the UK. Our 7 Technology and Innovation centres work with companies of all sizes to bridge the gap in – and accelerate the activity between – technology concept and commercialisation. Our centres offer access to leading edge equipment, expertise and an environment of company collaboration. (https://hvm.catapult.org.uk/)</p> <p>The Satellite Applications Catapult fosters growth across UK industry through the exploitation of space by helping organisations make use of, and benefit from, satellite technologies. (https://sa.catapult.org.uk/)</p> <p>Applying business-led research, Catapults help businesses transform great ideas into valuable products and services to compete in the global markets of tomorrow. Through this scheme we are looking for radical ideas for innovative research which brings together existing knowledge and expertise and has the potential to co-create something game-changing.</p>
<p>Description of the Challenge</p>	<p>Context The space sector is growing rapidly and there is a considerable opportunity for the UK to secure a significant portion of the emerging market opportunities for new products and services. HVMC and SAC are actively engaged in supporting users, suppliers and legislators to maximise the value add to the UK economy.</p> <p>Challenges Applications are being sought from candidates with relevant research expertise who can contribute to this field in areas such as (but not limited to):</p> <ul style="list-style-type: none"> • Achieving major through life cost reductions and performance enhancements in the architecting/design/manufacture/assembly/assurance of satellite systems and their sub-components e.g. :- <ul style="list-style-type: none"> - The refinement of additive layer manufacturing for comms waveguides. - Design / manufacture of low cost, high volume, compact antenna systems. • Increased speed/decreased costs for product verification and assurance

	<p>Please contact us to discuss your project idea before you submit your application. This will ensure that it will be within the focus areas of both Catapults.</p> <p>Nafeesa Dajda:- Nafeesa.Dajda@sa.catapult.org.uk Prof Mike Hinton :- mike.hinton@hvm.catapult.org.uk</p>
Researcher Specification	<p>The candidate should possess an enhanced understanding of the subject area to develop the existing work within the current academic work on the topic.</p> <p>For this call, we are following the EPSRC Eligibility Criteria, if you have any queries about satisfying this criteria please contact us or EPSRC directly prior to submission.</p>
Other Details	<p>The aims of the Researchers in Residence (RiR) programme are to build connections, support pathways to impact, and knowledge exchange between academia and the Catapult centres.</p> <p>The output of this residency would include a report, and depending on the project, could include a prototype system to demonstrate the principles of a larger project.</p>
Closing Date for Applications	17:00 (GMT) Friday, 21 September 2018