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14 May 2013

Professor Andrea Ferrari  
Cambridge Graphene Centre  
Engineering Department  
University of Cambridge  
9 JJ Thomson Avenue  
Cambridge  
CB3 0FA

Dear Professor Ferrari

### **Capital for Great Technologies**

I wish to express my strongest support for the application of the University of Cambridge for a suite of facilities aimed at translation from materials discovery and characterisation through to product development. Reducing the time required to bring discoveries to the market is indeed a key driving force behind a more competitive manufacturing sector and economic growth.

BAE Systems is a global defence, security and aerospace company employing some 88,000 people worldwide with sales in 2012 of £17.8 billion. The company delivers products and services for air, land and naval forces, as well as advanced electronics, security and information technology solutions.

This is very relevant and timely, and has significant potential applicability to BAE Systems product portfolio, which encompasses a range of technologies, ranging from advanced and functional materials for communications applications such as antennas at microwave/RF frequencies, sensors for the terahertz range, and optical and electro-optical structures using novel transparent conducting materials. Consequently BAE would welcome an opportunity to get involved through direct support, assistance with facilities, such as fabrication and characterisation or through assistance in aligning the research with BAE Systems applications and requirements, subject naturally to prevailing economic circumstances and the business position. The novel, state of the art characterisation and processing facilities being requested in this proposal, such as the device processing, surface analysis and low temperature capabilities for spectroscopy are critical to develop the areas of graphene and other novel 2D materials.

We thus look forward to being able to test devices and materials with the proposed facilities, at the same time benefiting from the world leading expertise of the Cambridge researchers. Due to the significance of the potential outputs, it is our intention to contribute through an

Industrial EPSRC Case Award subject to business conditions. In the event of a successful outcome we would hope to work actively with your group to provide materials consultancy and allow access to our laboratories for test and manufacture of the structures when closer to prototyping.

Yours sincerely

A handwritten signature in black ink, appearing to read 'S J Harris', written in a cursive style.

Dr S J Harris  
University & Collaborative Programmes Relationship Manager  
Advanced Technology Centre  
BAE Systems