



BIRMINGHAM CITY
University

Faculty of Business, Law and Social Sciences

Proposed Title:

Space 4.0 as an engine of innovation and sustainable growth in the post-Brexit UK Economy

School: Business School

Proposed Supervisory Team:

Prof Stefania Paladini (DoS); Dr Krish Saha; Dr Erez Yerushalmi

Abstract:

The space sector has never been as active, or as crucial, to the global economy since the times of the Apollo missions back in the 1960s. In a report by Morgan Stanley, they argue that “*The space industry could become the next trillion-dollar industry by 2040*” (Morgan Stanley, February 2019). Building on existing studies at national (UKSA, 2017, 2018) and international (ESA, 2019) level, the project will adopt a mixed methodology to estimate the returns in terms of innovation, economic growth, and regional development of the space sector in the UK in the current environment.

It is expected that the project will be able to assess and/or confirm the likelihood and importance of spillovers of the space sector in the overall economy and together provide indications about the possible impact of Brexit in strategic sectors of the UK economy.

Research Environment:

The project will have to gather qualitative information from experts in the space sectors, both in the UK and overseas. Access from institutions involved at some title in the sector will be important to this extent. Having previous experience in this sense, the supervisory team has informally secured the interest of some institutions willing to be involved.

Applicant Requirements:

The student should have a good bachelor degree (2.1 or equivalent) in disciplines of interests, including STEM subjects, and strong analytical skills (knowledge of quantitative methods desirable).

Previous working experience in companies and/or organisations is required; anything related to STEM and/or the space sector is desirable but not essential.

The candidate is also expected to obtain a PGCert as part of his/her development.

Contact: Name, e-mail and telephone number:

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