

Grade :	Graduate Associate or Associate
Salary :	£ 21,000 – £27,000 FTE dependent on experience
Term :	18 mo fixed, 80% FTE Tu-Fr (100% possible)
Role :	Optical Communications Engineer
Description :	<p>Craft Prospect is looking to expand its team. We are looking for a passionate physicist or engineer to support us to realise space projects from concept to delivery. We are working with partners on the delivery of an innovative quantum optical communication payload for an upcoming quantum key distribution mission. The role will sit across a number of R&D projects where you will be responsible for ensuring that quantum optical requirements and design are integrated into the mission, and leading the integration and testing of core quantum optical components. You will support the systems engineers in the development of representative optical communication models, as the domain expert.</p>
Responsibilities :	<p>Leading design, integration and testing of quantum optical systems</p> <p>Creation of optical communication link models and budgets</p> <p>Communicating applied quantum physics between academia and industry</p> <p>Quantum key distribution subject matter expert</p> <p>Development of operational procedures for QKD payloads</p> <p>Effective delivery of work packages within cost and time constraints</p>
Requirements :	<p>Applied experience of electronics, optical and/or mechanical systems</p> <p>Knowledge and effective communication of quantum key distribution</p> <p>Knowledge of general quantum optical systems</p> <p>Desire to work on new technologies and concepts for space</p> <p>Ability and initiative to work autonomously</p> <p>Strong communication skills</p> <p>Desire to work within a small dynamic team</p> <p>Able to work in UK, from May 2019 onwards</p>
Preferred :	<p>Experience with performance testing of quantum optical systems</p> <p>Experience in designing and manufacturing optical systems</p>

Knowledge of CubeSat systems

- Notes :** Successful completion is expected to lead to a permanent role with associated benefits such as membership of company share pool. Craft Prospect offer a generous pension and benefits scheme, including a personal development budget. For non-local applicants a small relocation budget may be available. Dependent on circumstances, a flexible start date, job share or 100% FTE position may be discussed.
- About us :** Craft Prospect is a young engineer-led company in its third year having consistently doubled turnover and headcount. We want to develop our employees to become partners within the organisation, able to work within a team leading projects and developing future space mission concepts to make a positive impact. We work with partner companies and universities to deliver bespoke solutions. See more at: www.craftprospect.com.
- Location :** Glasgow, UK (or possible alternate office in Edinburgh, UK)
- Applying :** Applicants should email a cover letter and CV to hello@craftprospect.com, using reference 19-01011.
- Closing date :** An initial closing date of 30th April is planned, however this may vary depending on the applicants and go live dates.