

JOB DESCRIPTION

**Senior Research Associate in Image Processing/Computer Vision and Machine Learning: In
search of uniqueness – harnessing anatomical hand variation (H-unique)**

Vacancy Ref: A2560-RR

Job Title:	Senior Research Associate (H-unique)	Present Grade: 7
Department/College:	School of Computing and Communications	
Directly responsible to:	Prof Dame Sue Black, Prof Plamen Angelov, Dr. Hossein Rahmani, Dr Bryan Williams	
Supervisory responsibility for:	N/A	
Other contacts		
Internal: Professor Dame Sue Black and other Co-Is; Other Senior Research Associates and Database Manager on the project; Staff and Students at the University; Colleagues in the School of Computing and Communications		
External: Collaborators/partners working on the project and the wider research community		
Major Duties:		
<div><div>1.</div><div>Undertaking and advising on the day-to-day research necessary to achieve Lancaster University’s aims within the ERC-funded project “In search of uniqueness – harnessing anatomical hand variation (H-unique)”. More specifically, leading research that aims to capture, analyze and interpret anatomical variation in images of the human hand through the combinatorial lens of a best-fit multimodal biometric. Success will occur if no two hands can be found that are identical, implying ‘uniqueness’.</div></div> <div><div>2.</div><div>Assisting with the collection of images on campus for analysis purposes.</div></div> <div><div>3.</div><div>Assisting with the planning, development, and publication of research work within the project – taking a lead where appropriate.</div></div> <div><div>4.</div><div>Preparing and presenting talks, posters and reports to disseminate the results of the research.</div></div> <div><div>5.</div><div>Participating in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field.</div></div> <div><div>6.</div><div>Taking part in wider engagement opportunities.</div></div> <div><div>7.</div><div>Assisting with and, where appropriate, taking a lead in the preparation of (potentially collaborative) journal papers for publication of project findings.</div></div> <div><div>8.</div><div>Participating in project meetings, including the development of progress reports describing and reflecting on the results of the project.</div></div> <div><div>9.</div><div>Participating in writing new research proposals that build on the expertise developed in this project.</div></div> <div><div>10.</div><div>Through the above, start to develop an independent and leading research profile.</div></div> <div><div>11.</div><div>Any other duties appropriate to the grade and position as directed by Prof Dame Sue Black, Professor Plamen Angelov, Dr.Hossein Rahmani, Dr Bryan Williams and other senior members of the project team.</div></div>		