

Bristol Robotics Laboratory

The [Bristol Robotics Laboratory](#) is the most comprehensive academic centre for multi-disciplinary robotics research in the UK. It is a collaborative partnership between the University of the West of England (UWE Bristol) and the University of Bristol, and home to a vibrant community of over 200 academics, researchers and industry practitioners, which lead current thinking in service robotics, intelligent autonomous systems and bio-engineering. An internationally recognised Centre of Excellence in Robotics, it is a unique collaboration that harnesses the collective strengths of its university partners, and brings together the best expertise from industry and the academic community to spearhead the UK's efforts to be a world leader in modern advanced robotics.

In CHIRON, we will be contributing to design and development of the modular robots, incorporating their expertise in safety, validation and multi-modal human-robot interaction. We will build on our experience from other assisted living and medical robotics projects, drawing on innovative concepts such as tactile sensors and design of smart robotic assemblies. Our approach to research and design is to take a person-centred approach and we will use a range of participatory design methods to understand people's context of use and evaluate CHIRON prototypes with people from an early stage in our assisted living studio.