


Research Associate	 Edinburgh Napier UNIVERSITY
Role Description	

Grade & Salary:	Grade 4
Campus Location:	Merchiston and Seven Hills
Line Manager:	Dan Ridley-Ellis
Line Management Responsibility for:	None
Organisational Structure:	<input type="checkbox"/> Tick to confirm attached School of the Built Environment Institute for Sustainable Construction Working with 3 academic leads Dan Ridley-Ellis (line manager and project PI) Robert Hairstans Francesco Pomponi
Role Summary:	<p>Researcher working on the “InFutUReWood” project - Innovative Design For the Future - Use and Reuse of Wood (Building) Components. Includes undertaking research, analysis and knowledge transfer, writing reports, giving presentations and networking with researchers and industry. The role includes an element of learning and teaching work helping to supervise linked undergraduate projects, and helping to deliver continuing professional development to practitioners.</p> <p>The role includes engineering laboratory work and travel to meetings and conferences in the UK and Europe.</p>

Main Duties and Responsibilities

➤	<p>To work as part of an interdisciplinary team undertaking research and knowledge transfer with supervision and assistance from the 3 academic leads. Working in the following topics:</p> <ul style="list-style-type: none"> Properties and grading of recovered wood (primary focus) Product design using recovered timber Design of timber structures for reuse and recycling Environmental and economic assessment Dissemination and engagement
➤	<p>Planning own day-to-day research activity within the framework of the project, coordinating with others in the project (at Edinburgh Napier and other partners) and contributing to the general planning of the project activity.</p>
➤	<p>Participating in meetings, networking events, conferences, continuing professional</p>

	development activities and standardisation committees
➤	Disseminate results of the research through presentations and workshops, publication in the peer-reviewed scientific literature and trade magazines, etc. (with supervision and assistance from academic leads)
➤	Preparing papers for meetings, organising team meetings, assisting with planning and organising of external events
➤	Personal development and learning new skills and knowledge
➤	Assisting with undergraduate project supervision and teaching support related to the project and its activities
➤	



Person Specification

Attributes	❖ Essential Selection Criteria	Desirable Selection Criteria
Education/Qualifications	First degree level qualification, or equivalent experience in engineering, materials science, architecture or other related built environment subject linked to construction, environmental impact and the circular economy.	in timber engineering, wood science, forest products, environmental assessment Relevant professional memberships or qualifications
Experience	Good familiarity with timber as a construction material, its production, and modern methods of construction. Good knowledge of data analysis methods, statistics, experience with developing empirical models	Experience of working with a relevant industrial sector Experience of working in an interdisciplinary environment. Experience working with wood and/or environmental impact assessment
Skills/Personal Requirements	Skills and knowledge in one or more of the following:	Ability to program in a modern computer language

	<p>Mechanical testing of engineering materials</p> <p>Data modelling, numerical techniques and/or statistics relevant to construction</p> <p>Environmental impact assessment</p> <p>Building demolition/deconstruction</p> <p>Structural design, manufacturing, or construction of buildings</p> <p>Ability to work day to day on own initiative with supervision and assistance from academic leads</p> <p>Good personal organisation skills and the ability to work to deadlines</p> <p>The ability and willingness to contribute ideas to the project</p> <p>Ability to assist in undergraduate project supervision / mentorship</p> <p>Good computer literacy</p> <p>The ability to communicate effectively in written and spoken English. Good interpersonal and networking skills.</p> <p>The ability to coauthor papers for peer-reviewed journals and to present technical concepts to industrial audiences</p> <p>Willingness and ability to travel in order to attend meetings and conferences.</p> <p>Willingness and ability to undertake laboratory testing and to comply with all associated health and safety requirements.</p>	<p>A second language</p> <p>An understanding of business and commercial matters.</p> <p>Driving license</p>
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❖ *Essential Selection Criteria* are mandatory requirements for a post-holder. If a potential candidate does not evidence all of these requirements in their application form they do not meet the essential criteria of the role and, therefore, will not be short-listed for interview.



Role profile as
RESEARCH ASSISTANT. ROLE CODE: RES1 Grade 4