

## JOB DESCRIPTION AND PERSON SPECIFICATION

**Job Title:** Design Thinking for Materials Postdoctoral Research Assistant, Trash-2-Cash

**Accountable to:** Principal Investigator Trash-2-Cash

**Contract Length:** 01 Mar 2016 – 30 Nov 2018

**Hours per week:** Full time

**Weeks per year:** 52

**Salary:** £36,243 - £43,483 pa

**Grade:** 5

**College:** Chelsea College of Arts

**Location:** 16 John Islip Street, London, SW1P 4JU

### Purpose of Role:

To support the Principal Investigator (PI) and Co-Investigator (CI) of the EU funded project - *Trash-2-Cash: Designed high-value products from zero value waste textiles and fibres via design driven technologies* - in the fulfilment of project deliverables and work packages allocated to University of the Arts London and to independently research, collate and document key aspects of the project and to facilitate its effective and efficient delivery.

### Duties and Responsibilities

Research to be conducted towards work packages for the project **Trash-2-Cash** (GA 646226 — H2020-NMP-2014):

#### Work Packages 1, 3, 5 and 8

- To assist the team in developing and analysing the collaborative design approach: using design thinking and collaborative design methodologies to facilitate effective cross-disciplinary practice
- To contribute to the formation and audit of design driven scenarios that use waste textiles to create high value products
- To contribute to product design development of the design concepts into fully worked up designs with materials sampling, particularly in collaboration with companies.
- To contribute to the preparation for prototyping
- To contribute to the envisioning of primary scenarios for the application sectors (“pre-design for recycling” approach)
- To identify and define primary design-driven material requirements and characterisation of the eco-fibres
- To assist the project team in communicating the research to a wider audience using appropriate media
- To contribute to key events, conferences, workshops (in UK and throughout Europe) and dissemination activities

#### General

- Support and participate in collaborative research with the PI, CIs and team in any additional tasks or documentation as required by the project
- To regularly liaise with PI, CIs and PM to ensure the smooth running of the project.
- To contribute to the outcomes of the project through an involvement in presentation of papers at conferences, contributions to refereed journals, and the editing and/or authoring of book chapters where appropriate
- To perform such duties consistent with your role as may from time to time be assigned to you anywhere within the University
- To undertake health and safety duties and responsibilities appropriate to the role
- To work in accordance with the University’s Equal Opportunities Policy and the Staff Charter, promoting equality and diversity in your work
- To undertake continuous personal and professional development, and to support it for any staff you manage through effective use of the University’s Planning, Review and Appraisal scheme and staff development

opportunities

- To make full use of all information and communication technologies in adherence to data protection policies to meet the requirements of the role and to promote organisational effectiveness
- To conduct all financial matters associated with the role in accordance with the University's policies and procedures, as laid down in the Financial Regulations

**Key Working Relationships:**

- Principal Investigator
- Co-Investigators
- Project Manager
- RMA
- Trash-2-Cash Project Consortium
- External research contacts, e.g. interviewees, media etc.

**Specific Management Responsibilities**

**Budgets:** None

**Staff:** None

**Other** (e.g. accommodation; equipment): None

Signed \_\_\_\_\_ Date of last review \_\_\_\_\_  
(Recruiting Manager)

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**Grade: 5**

Person Specification	
Specialist Knowledge/ Qualifications	<p>Relevant postgraduate qualification, such as design thinking (preferable with experience in materials), product design, co-design or sustainability, and scholarly research</p> <p>Has a good working knowledge of applied design thinking and facilitation, design approaches and scenarios, and the clear communication of design thinking methods and processes through appropriate user-friendly channels</p> <p>Has accurate and up to date knowledge of services available in own specialism and related areas of work</p>
Relevant Experience	<p>Has relevant experience in specialist area of work and methodologies and the ability to work independently</p> <p>Experience of collaborative research work and relevant software</p>
Communication Skills	Communicates effectively orally and in writing adapting the message for a diverse audience in an inclusive and accessible way
Leadership and Management	Proven ability as an operational task leader, assessing and to ensuring appropriate resources and support are available to enable the team and individual members to achieve their objectives
Research, Teaching and Learning	<p>Applies innovative approaches in teaching, research or professional practice to support excellent teaching, pedagogy and inclusivity</p> <p>Applies own research to develop learning and assessment practice</p>
Professional Practice	Contributes to advancing professional practice/research or scholarly activity in own area of specialism

Planning and managing resources	Experience of ensuring that time and resources are used effectively, continually reviewing progress to improve efficiency and to ensure that work is completed in line with team objectives
Teamwork	Works collaboratively in a team and where appropriate across or with different professional groups
Student experience or customer service	Builds and maintains positive relationships with students
Creativity, Innovation and Problem Solving	Suggests practical solutions to new or unique problems