

## JOB DESCRIPTION AND PERSON SPECIFICATION

**Job Title:** Postdoctoral Research Assistant, Trash-2-Cash      **Accountable to:** Principal Investigator Trash-2-Cash  
**Contract Length:** 01 Oct 2015 – 31 Dec 2018      **Hours per week:** Full time      **Weeks per year:** 52  
**Salary:** £35,884 - £43,052 per annum      **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 — TH2020-NMP-2014):

#### Work Package 8

- Develop, support and participate in research and events that will endeavour to clearly **communicate and disseminate** the ideas of the consortium and the potential application of ideas in industry; the generation process and exploration of the ideas by the partners; and any results arising from the consortium activity and work
- To **co-design and deliver** all knowledge sharing activities to feed design and R&D (market and end-users needs); to support research and events that will endeavour to explore the design approaches, materials and methods required to create cyclable products within a variety of industry contexts within the consortium
- To contribute to the **envisioning** of primary scenarios for the application sectors (“pre-design for recycling” approach)

#### Work Packages 1, 3, 4 and 5

- 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. (WP4)
- To contribute to the preparation for prototyping. (WP5)
- 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 characterization of the eco-fibres
- Simulating recycling options of post-consumer textiles (WP4)
- To contribute to the review of: automatic sorting technology for recycled textiles (WP4); upcycled / recycled polyester to polyester fibres; the development of the applied design methodology; to contribute to prototyping, testing and showcasing consortium ideas

#### 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

## Person Specification

Specialist Knowledge/ Qualifications	<p>Relevant postgraduate qualification (such as design for cyclability, textile innovation or material science) and scholarly research</p> <p>Has a good working knowledge of design, scientific and technical approaches to material cyclability, and the clear communication of these 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	<p>Communicates effectively orally and in writing adapting the message for a diverse audience in an inclusive and accessible way</p>
Leadership and Management	<p>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</p>
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	<p>Contributes to advancing professional practice/research or scholarly activity in own area of specialism</p>
Planning and managing resources	<p>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</p>
Teamwork	<p>Works collaboratively in a team and where appropriate across or with different professional groups</p>
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

**Last updated: August 2015**