

Scheda stage per preparazione di tesi all'estero (Italiano)

Organizzazione

Tutor Universitari:

- Prof. Nicola Sacconi
- Ing. Gianmarco Bressanelli

Laboratorio RISE – (www.rise.it) – Università degli Studi di Brescia

Email: g.bressanelli002@unibs.it - TEL: 030 3715760

Requisiti candidato:

- Iscritto al corso di Laurea Triennale o Magistrale in ingegneria Gestionale
- Studente motivato e con una buona media voti
- Ottima conoscenza della lingua inglese e del pacchetto office (Excel, Word, Power Point).
- Ottime capacità analitiche e relazionali

Note:

- Durata prevista: 3 – 6 mesi (indicativi)
- Impegno previsto: Full-time, parzialmente concordabile con lo studente in base alle specifiche esigenze universitarie e ai vincoli delle aziende ospitanti

Contenuti

Titolo:

Economia Circolare: analisi della letteratura, casi di studio e raccolta dati volti allo sviluppo di un modello di quantificazione degli impatti economici, ambientali e sociali legati ad una transizione circolare.

Obiettivi e breve descrizione:

Al candidato viene richiesto di analizzare il tema dell'ECONOMIA CIRCOLARE, nuovo paradigma sostenibile che sta prendendo sempre più piede nel contesto nazionale e internazionale, attraverso l'analisi della letteratura scientifica esistente e lo studio di *business cases*.

Allo studio della letteratura viene richiesta un'attività empirica di casi di studio e raccolta dati, condotta presso la/le azienda/e ospitante/i, che svolgono attività CIRCOLARI nel settore dell'apparecchi domestico e degli articoli casalinghi (elettrodomestici, mobili, attrezzature ITC, ...), con un particolare focus sull'industria della lavatrice.

L'obiettivo finale è lo sviluppo di framework a supporto di modelli di simulazione in grado di stimare un credibile impatto a tendere (in termini economici, ambientali e sociali) di una transizione Circolare per l'industria delle lavatrici.

Attività richieste:

1. Analisi della letteratura tecnico/scientifica relativa al tema dell'Economia Circolare
2. Conduzione di casi di studio presso azienda/e ed ente/i ospitante/i
3. Attività empirica di raccolta dati presso azienda/e ed ente/i ospitante/i
4. Attività di analisi e supporto della gestione aziendale dell'azienda/e ed ente/i ospitante/i
5. Formalizzazione dei risultati ottenuti e dei dati raccolti attraverso lo sviluppo di framework

a supporto della stima e quantificazione degli impatti economici, ambientali e sociali di una transizione verso l'Economia Circolare nel settore dell'elettrodomestico (lavatrici).

Ente o Azienda ospitante:

University of Northampton

- Sito web: <https://www.northampton.ac.uk/>
- Sede: Boughton Green Road, Northampton, NN2 7AL (United Kingdom)
- Persona di riferimento: Dr. Terry Tudor, Lecturer

Reuse Network (TBC)

- Descrizione: Reuse Network supports more than 200 reuse charities across the UK to help them alleviate poverty, reduce waste and tackle climate change
- Sito web: www.reuse-network.org.uk
- Sede: 48-54 West Street, St Philips, Bristol BS2 0BL (United Kingdom)
- Persona di riferimento: Mr. Craig Anderson, CEO at Reuse Network

WARP IT REUSE (TBC)

- Descrizione: WARP IT REUSE mission is to provide a network where organisations keep their equipment, assets and "stuff" circulating to reduce spend, waste and supply chain environmental impacts
- Sito web: www.getwarpit.com/about
- Sede: (United Kingdom) (TBD)
- Persona di riferimento: Mr. Daniel O'Connor, Head of Customer Happiness

Salvation Army Trading Company (TBC)

- Descrizione: The Salvation Army is a worldwide church and registered charity in 127 countries offering unconditional friendship, and practical help to people of all ages, backgrounds and needs. Extending a helping hand to those who are homeless, friendless and in need, The Salvation Army passionately believes that no one is beyond hope, however great their problems
- Sito web: www.reuse-network.org.uk
- Sede: 25 Gold Street, Northampton UK (TBD)
- Persona di riferimento: Mr. Tony Hosking, Operations Director

Training internship abroad for undergraduate students (English)

Organisation

University of Brescia's tutors:

- Prof. Nicola Sacconi
- Eng. Gianmarco Bressanelli

RISE Laboratory – (www.rise.it) – University of Brescia (Italy)

E-Mail: g.bressanelli002@unibs.it - Telephone: 030 3715760

Candidate's requirement:

- Student enrolled in the bachelor or master's degree course in Management and Industrial Engineering of the University of Brescia
- Highly motivated student with high grade point average
- Excellent knowledge of the English language and of the MS Office application package (Excel, Word, Power Point)
- Excellent analytical and relational skills

Notes:

- Expected duration: from 3 to 6 months (indicative)
- Expected commitment: Full-time, partially agreed with the student according to the specific university requirements and the constraints of the host companies

Contents

Title:

Circular Economy: analysis of the literature, case studies and data collection, aimed at developing a model for quantifying the economic, environmental and social impacts linked to a circular transition.

Aim and short description:

The candidate is asked to analyse the topic of CIRCULAR ECONOMY – a new sustainable paradigm that is increasingly gaining momentum among the national and international context – through the analysis of the existing scientific and technical literature and through the study of business cases.

Combining with the literature analysis, an empirical activity conducted in (one or more) of the host companies is required. The empirical activity encompasses the performance of case studies and data collection conducted at the host companies, which perform CIRCULAR activities in the field of household equipment and household items (household appliances, furniture, ICT equipment, etc.), with a special focus on the washing machine industry.

The final aim is the development of frameworks to support simulation models able to estimate the impacts (in economic, environmental and social terms) of a circular transition, at least for the washing machine industry.

List of required tasks:

1. Analysis of the technical and scientific literature regarding the topic of Circular Economy

2. Execution of case studies at (one or more of) the company and host institution(s);
3. Empirical data collection at the host company and institution
4. Support activities at the host company host institution, under the direction of the company's reference person
5. Formalisation of the results obtained and of the data collected through the development of a framework to support the estimation and quantification of the economic, environmental and social impacts of a transition towards Circular Economy, at least in the household appliance sector (and specifically for the washing machines industry)

Host institution of company:

University of Northampton

- Website: <https://www.northampton.ac.uk/>
- Venue: Boughton Green Road, Northampton, NN2 7AL (United Kingdom)
- Reference person: Dr. Terry Tudor, Lecturer

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