

Position Description

Group of research topics: Circular economy and digitalization of business

Position is funded by	<ul style="list-style-type: none"> - COFUND, Marie Skłodowska-Curie Actions (MSCA), Horizon 2020, European Union - Lappeenranta-Lahti University of Technology (LUT), Finland - RMIT University (RMIT), Australia
Research Host	Lappeenranta-Lahti University of Technology (LUT), Finland
PhD awarding institution/s:	Dual PhD awarded by LUT and RMIT
Locations	<ul style="list-style-type: none"> - Primary: Lappeenranta, Finland - Secondary: Melbourne, Australia - Annual workshops in Barcelona, Spain
Contract	Full time, fixed term (12+36 months)
Gross annual salary	30.800 EUR (gross amount before employee's taxes and contributions)
Preferred start date	02/11/2023
Deadline for applications	19/07/2023 (Reference: LUT-DC4)

Your choice of research topics (only one of these projects will be funded):

Project 1: Orchestrating circular economy platforms	Project 2: Digital servitization of knowledge	Project 3: Circular economy business models
<p>Circular economy is based on new kind of business logic and ecosystems of platforms. Understanding the orchestration and value creation principles in these ecosystems helps the companies to utilize the benefits of these channels and to develop and manage their ventures to be a part of these international value systems. The aim of this project is to study the orchestration models, business models and development strategies of circular economy platforms e.g. in water management industry.</p>	<p>The Internet of Things (IoT) challenges the way even modern business models are built. IoT enables new kind of services based on e.g. monitoring, control and streamlining of industrial and customer processes. Companies who master these new business logics of digital services can build a significant competitive advantage. The aim of this project is to study the business functions and processes that IoT can replace and the capabilities and networks needed to operate the digital services.</p>	<p>Circular economy creates new premises for companies and their business models. Therefore, the companies have to radically change their business models and redesign their products, services and processes. Innovative circular business models contribute to slow down, close down and to narrow down the resource loops. The aim of this project is to study the circular business model structures, the logic of value creation and different paths to build circular business.</p>
<p>Supervisors: <u>Mikko Pynnönen (LUT) and Anne-Laure Mention (RMIT) and Industry Mentor Panu Jouhkimo (Mikkeli development Miksei Ltd. - if final topic fits)</u></p>		
<p>Research Fields: International business, Business management, Entrepreneurship, Marketing and Supply chain and logistics</p>		



Are you REDI? (Expected Profile)

Project 1

Your background and skills: You should have a background or interest in Circular Economy, Management or Coordination of Ecosystems, Platforms or Business Networks. Skills in qualitative and quantitative research methods are needed. You should be interested in conducting both academically rigorous and practically relevant research.

Your work experience: Professional experience from the related industry, sustainability, international business or business in general is considered an asset but is not required.

Your research experience: Experience in research is considered as an asset but is not required.

Project 2

Your background and skills: You should have a background or interest in Digital Services, Servitization or Managing Service Platforms or Service Networks. Also, knowledge about Internet of Things (IoT) technologies is an asset. Skill in qualitative and quantitative research methods are needed. You should be interested in conducting both academically rigorous and practically relevant research.

Your work experience: Professional experience from the related industry, sustainability, international business or business in general is considered an asset but is not required.

Your research experience: Experience in research is considered as an asset but is not required.

Project 3

Your background and skills: You should have a background or interest in Business Development, Circular Business Models or Managing and Coordinating Circular Business or Circular Networks. Skill in qualitative and quantitative research methods are needed. The candidate should be interested in conducting both academically rigorous and practically relevant research.

Your work experience: Professional experience from the related industry, sustainability, international business or business in general is considered an asset but is not required.

Your research experience: Experience in research is considered as an asset but is not required.

For more information about the general conditions of the REDI Program, eligibility criteria and application process, please visit:

<https://www.rediprogram.eu/>

Employment Benefits and Conditions

In Finland, doctoral studies take 4 years. To cover the whole 48-month studies, we offer a 12+36-month full-time work contract, indicatively starting on 2nd November 2023. The position will be based in Lappeenranta (Finland). As a precondition, the new researcher must obtain the right to pursue doctoral studies at LUT University prior the start of employment. The employment starts with a 12-month term, including a six-month trial period. The contract will be extended for 36 months provided that the studies progress satisfactorily. The annual workload for researchers is 1612 hours. In this position international travel is foreseen, including to Australia (up to 12 months) and Spain (one week per year).

The starting salary for a recently graduated MSc, in line with the General collective agreement for Finnish universities, will consist of a gross annual salary (gross amount before employee's taxes and contributions) of est. 30.800 EUR (plus a holiday bonus in accordance with the collective agreement) with salary increases as the studies proceed. Of this amount, the estimated net salary* to be perceived by the researcher is est. 1.900 EUR per month. However, the definite amount to be received is subject to national tax legislation. For more information on Finnish taxation visit [here](https://www.vero.fi/en/individuals/tax-cards-and-tax-returns/tax_card/tax-percentage-calculator/)



**Net salaries can fluctuate in accordance with an individual's personal circumstances (marital status, age, disability, family and dependents, etc. The above indicative net salaries offer an approximation of what a single person in their early 20s could expect to receive in their bank account after taxes.*

Benefits include:

- Occupational health care
- Paid holiday
- Paid sick leave for a limited period
- Holiday bonus
- 1,000€ yearly travel allowance to cover flights and accommodation to participate in the annual workshop at RMIT Europe in Barcelona (Spain)
- 10,000€ allowance to cover flights and living expenses for up to 12 months in Australia

For more details, please see General collective agreement for universities:

<https://www.sivista.fi/esittely/in-english/general-collective-agreement-for-universities/>

Read more LUT as an employer: <https://www.lut.fi/en/about-us/come-work-us/lut-employer>

Learn more on [RMIT](#) and [LUT](#) on our website:

<http://www.rediprogram.eu/about/#hostinstitutions>

PhD enrolment. Successful candidates for this position will be enrolled by the following institutions:**LUT****Admission**

You will be enrolled as Doctoral Student at LUT for the entire duration of the assignment. At admission, you will need to supply:

- Master's Degree certificate and the transcript of records of a completed Master's Degree either an applicable higher university degree; an applicable higher polytechnic degree; or an applicable education completed abroad which in the awarding country gives eligibility for corresponding higher education. If the original educational documents are not issued in English/Finnish/Swedish, official translations in English are required in addition to the documents in the original language.
- Proof of English proficiency (certificates from TOEFL, IELTS, PTE Academic, or Cambridge English Language Assessment, level C1 is expected – native speakers are exempt from the certificate requirement).
- Applicants holding a Master's degree earned abroad are eligible for doctoral studies provided that their Master's degree gives them eligibility for corresponding higher education in the awarding country. As a rule, degrees earned abroad must have required studies of at least four years including a Master's thesis type final thesis, and if the doctoral programme considers they provide a sufficient foundation for postgraduate studies at the university.
- The precondition for the recognition of European degrees is that the degree is a university degree combination earned in accordance with the Bologna Process principles (3+2 years). The applicant is required to submit information in English (e.g. a Diploma Supplement) on the scope and the level of the degree(s) obtained abroad when applying to LUT.
- Economics and Business Administration: One-year (60 ECTS credits) MBA-degrees do not generally qualify for doctoral studies. Candidates with an MBA-degree and their eligibility to apply will be considered case-by-case.
- In order to complete the degree of Doctor of Science (Economics and Business Administration) a background in scientific studies in business is required. Any lacking knowledge of business must be improved through supplementary studies.
- In some cases, also the documents regarding the lower university degree may be requested to see the whole education path.



Officially certified copies are required. The procedure of official certification depends on the country where the degree has been obtained so specific instructions are sent to each applicant. If the original educational documents are not issued in English/Finnish/Swedish, official translations in English are required in addition to the documents in the original language. After the arrival in Finland, the applicant also has to present the original educational documents.

Important note:

- Junior researchers (doctoral students) are required to have a **master's degree**, the ability to complete the doctoral degree within the normative duration of the studies.
- The employment contract can be concluded only if the candidate obtains a right to pursue postgraduate studies at LUT University.

More information: <https://www.lut.fi/en/research/doctoral-school>

<https://www.lut.fi/en/research/doctoral-school/doctoral-programme-business-and-management>

RMIT

Admission

You will also be enrolled as Doctoral Student at RMIT University for the entire duration of the assignment. At admission, you will need to supply:

- CV
- Complete transcripts for all academic qualifications
- Research proposal or statement of interest in an available research project
- Language certificates
- List of referees

More information: <https://www.rmit.edu.au/research/research-degrees/how-to-apply>

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