

## **Springer series book: Sustainability Transformation to a Circular Economy Call for Contributions**

Proposals are invited for chapters in an edited book with the working title "Sustainability transformation to a circular economy" to be published as a volume of the KES-Springer series 'Advances in Sustainability Science and Technology - <https://www.springer.com/series/16477> - (subject to confirmation).

### **Synopsis**

Initiatives such as the 2015 Paris Agreement acted as a spur to governments, businesses and society to respond to the threat of climate change in order to protect the future of the planet and mankind. The 2030 Agenda for Sustainable Development, encapsulated in 17 Sustainable Development Goals and agreed by UN members, provides a holistic paradigm for sustainable development.

Although more organisations than ever include sustainability in their mission statements, most are not on track to meet sustainability targets such as net zero carbon emissions by 2050. Sustainability tools, technologies, and practices exist (continuously developed and enhanced) but they are often not adopted because of fears of increased costs. However, scenarios presented by various bodies (e.g. IRENA) have projected that in the right circumstances the adoption of sustainability practices can lead to economic as well as environmental benefits. The uptake of sustainability practices must be greatly accelerated and made intrinsic to businesses and community practices.

There is the need for a sustainability transformation to embed eco-innovation into businesses and society to develop a circular economy that enables sustainable growth and prosperity. This book will contain chapters describing contributions to this sustainability transformation. These can be case studies, reviews, the results of projects, or other relevant studies. Applicable themes could include the following:-

- strategies to accelerate and enhance the sustainability transformation
- eco-innovation, minimising lifecycle energy and physical resource consumption, waste and emissions
- co-development of eco-innovations through collaborations of ecosystem participants
- strategies for economies, society and the ecosystem to prosper together
- opportunities for profitable sustainable businesses
- strategies for embedding sustainability principles into businesses
- societal choices leading to reduced demand for carbon intensive activities and scarce resources
- the role of employees, local authorities, consumers and society members in the sustainability transformation
- digital sustainability: the contribution made by sensor acquired knowledge, artificial reasoning and machine learning
- sustainability at the domestic level

### **Submission of Abstracts**

Chapters should be new and unpublished material. If they are based on previously published work, (e.g. conference papers) they must be substantially extended and supplemented.

Submissions should be abstracts of about 200-300 words which will be evaluated by the editors of the volume. The authors of accepted abstracts will be invited to extend the abstract into a chapter to be included in the volume after peer review.

Contact Prof Robert Howlett – [rjhowlett@kesinternational.org](mailto:rjhowlett@kesinternational.org)