



SUSTAINABILITY
SUMMIT **FREIBURG**

SUSTAINABILITY SUMMIT 2016

October 12 – 13,
University of Freiburg, Germany

CALL FOR PAPERS



Fraunhofer





"The Sustainability Summit is a terrific and unique opportunity to meet with inspiring people who are working on making sustainability a reality!"

Prof. Dr. Ernst Ulrich von Weizsäcker
Co-President Club of Rome

WHY YOU SHOULD JOIN US?

- Present your current research in front of a selected disciplinary and interdisciplinary audience.
- Meet your colleagues in research areas like materials, energy, resilience and societal transformations towards sustainability.
- Discuss major challenges of our time, like energy transition, resource scarcity, growing vulnerability and how to make research and innovation socially responsible.
- Boost your career as a young scientist or pass on knowledge as a senior.

CONFERENCE TOPICS

The Sustainability Summit 2016 will be divided into three symposia:

1. Sustainable Materials

The optimization of materials, e.g. with regard to maximum lifetime, reusability or recycling, is an essential precondition for sustainable systems engineering helping to reduce the impact of the system on the environment.

2. Energy Systems

The transformation of the energy system is one of the central needs for a sustainable future. This symposium will focus on

R&D of renewable energy technologies as well as their smart integration into the grid to build up a reliable energy supply.

3. Resilience Engineering

Resilience engineering researches preparedness, prevention, protection, response and recovery of (socio) technical systems to life cycle stresses and natural, natech, malevolent and cyber threats for increasing reliability, safety, security, sustainability and adaptability.

You can submit an abstract for the following specific research topics:

1. Sustainable Materials

- Materials Design
- Materials Lifecycle
- Bio- and Bioinspired Materials
- Degradation Mechanisms
- Materials Processing

2. Energy Systems

- Photovoltaic Technology
- Concentrated Solar Power
- Smart Grids
- Transformation of the Energy System

3. Resilience Engineering

- Quantification of Resilience
- Modelling and Simulation
- Natural / Socio / Cyber / Technical Systems
- Conceptual Approaches
- Critical Infrastructure Protection

An issue cutting across all three symposia is that of **Responsible Research and Innovation (RRI)**. RRI stands for a new set

of guiding principles and approaches that intend to make research more responsive to societal actors and their values, needs and expectations. For each of the three symposia we invite abstracts that address RRI in the sense of ethical, legal and social aspects of research and innovation in sustainable systems engineering.

ABSTRACT SUBMISSION PROCESS

In order to present at the conference, your abstract must first pass a peer review.

DEADLINES

- Abstracts submission: **May 17, 2016**
- Results of abstract reviews returned to authors: July, 2016
- Full paper submission: October 13, 2016

HOW TO SUBMIT

- Please use our [template](#) to write your abstract (no more than 250 words).
- Fill in all the required information.
- Choose your presentation format (oral or poster presentation).
- Submit your abstract by sending an e-mail with the filled out template attached to:
info@sustainability-summit.de
- If your proposal is accepted you will be invited to submit a full paper using our full paper template by sending an e-mail to the same address.

BEST STUDENT AWARD

The commitment and dedication of young people is decisive for making our – their – world more sustainable. We want to encourage young scientists – students and doctoral candidates – to participate at the Summit. Thus, there will be a Best Student Award within each of the three symposia and the cross-cutting RRI stream, rewarding the most creative and innovative presentations and posters.

POSTER PITCH

All poster presenters will be given the opportunity to speak in front of the audience for exactly one minute and show them, why they need to come to their posters.

CONFERENCE PROCEEDINGS

The official edited Conference Proceedings will be published online in a PDF format (open access) under an ISSN/IBSN issued by Fraunhofer-Verlag, indexed by SCOPUS.

CONTACT

Conference chairs

Prof. Dr.-Ing. habil. Stefan Hiermaier

Prof. Dr. Gunther Neuhaus

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Organization

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