

Call for Abstracts

1st International Conference and Scientific Exhibition on Living Materials Systems |
Energy Autonomy – Adaptivity – Longevity – Societal Implications
March 21 – March 24, 2023 | University of Freiburg, Germany



We announce the “1st International Conference and Scientific Exhibition on Living Materials Systems | Energy Autonomy – Adaptivity – Longevity – Societal Implications” that will take place at the University of Freiburg, Germany, from March 21 to 24, 2023. It is organized by the Cluster of Excellence [Living, Adaptive and Energy-autonomous Materials Systems \(livMatS\)](#).

The conference will bring together international researchers for an in-depth knowledge exchange with respect to **materials systems exhibiting life-like properties and functions**. It is also dedicated to present possible technical applications as proof-of-concept demonstrators or prototypes. The conference will further address societal challenges related to sustainability, psychological impacts, and philosophical considerations, including acceptance and ethical approval of living materials systems.

The Cluster of Excellence *livMatS* invites contributions to the conference from various disciplines such as biology, chemistry, engineering, material sciences, philosophy, psychology, and sustainability. We encourage scientists at all career levels to attend the conference and present their work in oral presentations and posters.

Deadline for abstract submission is October 30, 2022.

Conference topics

- **Energy autonomy:** solar, thermal and mechanical energy harvesting
- **Adaptivity:** response to the environment, training and learning
- **Longevity:** avoiding, removing, and coping with damage
- **Societal implications:** sustainability, psychological acceptance and decisions, philosophy and ethics
- **Demonstrators:** proof-of-concept demonstrators, prototypical products



For detailed information please visit
www.livingmaterialssystems.uni-freiburg.de

Host institution

University of Freiburg

Cluster of Excellence Living, Adaptive and Energy-autonomous Materials Systems (*livMatS*)

FIT – Freiburger Zentrum für interaktive Werkstoffe und bioinspirierte Technologien

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