

6th International School and Conference
on Biological Materials Science

BioINSP 2022

21 - 24 March 2022

Hybrid Conference - Kostenz & Online

CALL FOR ABSTRACTS

dgm.de/bioinsp

DEAR BIOINSPIRED MATERIALS COMMUNITY,

We cordially invite you to join and contribute to the 6th Bioinspired Materials 2022 Conference on the design of functional materials and systems inspired by principles found in living nature. The conference will be held as a hybrid conference from 21 – 24 March 2022 in Kostenz monastery, Bavaria.

We offer a forum for scientists from various fields, including biology, chemistry, materials science and engineering, physics, and medicine, to discuss current cutting-edge research, identify future research directions in bioinspired materials, and provide an excellent platform for networking and scientific research exchange.

TOPICS

- Bioinspired/biomimetic materials (inanimate/animate)
- Hierarchical materials and structures (inorganic/organic)
- Complex-shaped biological materials
- Biomineralisation inspired materials and systems
- Autonomous functional materials and systems
- Functional and mechanical materials properties
- Interaction of bioinspired materials with living environments
- Artificial intelligence and bioinspired materials
- Biohybrid materials systems

We are looking forward to your contribution and participation.



Prof. Dr. Cordt Zolfrank,
Chair of Conference,
Technische Universität München, DE

Prof. Dr. Christine Selhuber-Unkel,
Co-Chair of the Conference,
University of Heidelberg, DE

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Conference Office

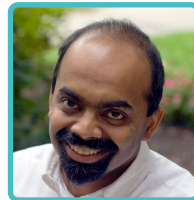
Deutsche Gesellschaft für Materialkunde e.V.
Marie-Curie-Straße 11-17
53757 Sankt Augustin, Germany
T +49 (0) 69 75306 750
bioinspired@dgm.de

PLENARY SPEAKERS



Learning from cicadas: Bioinspired functional structures against multiresistent bacteria forward and inverse problems

Prof. Dr. Ille C. Gebeshuber
TU Wien, AT



Shape in the digital age: forward and inverse problems

Prof. L. Mahadevan
Harvard University Cambridge,
Massachusetts, US

CONFERENCE VENUE

The conference house Kostenz monastery is supported by the Barmherzigen Brüdern in Bavaria and offers ideal conditions for seminars and conferences as well as for recreation guests.

The house, which is more than 100 years old and a listed building, is situated in a secluded location with a fantastic view of the climatic health resort of Sankt Englmar. It has two houses with a total of 96 beds and a restaurant. Furthermore, there are several „Stüberl“ in the monastery for a cozy get-together in the evening as well as a beer garden.



Conference House Kostenz



Bio-Inspired Amphiphilic Polymer Materials and Nanosystems

Prof. Nico Bruns

Technische Universität Darmstadt



Learning from Nature: Lightweight, Strong & Tough Materials Inspired from Nature and Optimized by A.I.

Po-Yu Chen

National Tsing Hua University Materials Science & Technology, Hsinchu City, TW



Bioinspired materials from cellulose anisotropic structures

Prof. Maria Helena Godinho

Department of Materials Science and IBN/CENIMAT, Universidade NOVA de Lisboa, PT



Fog Harps: Bioinspired Material Systems for Collecting Atmospheric Water

Prof. Dr. Brook S. Kennedy

Department of Industrial Design, Virginia Polytechnic Institute and State University, US & Co-Founder, BioDesign Research Group



Bio-hybrid Light-emitting Diodes

Prof. Dr. Rubén D. Costa

Technical University of Munich



Bioinspired Self-Assembled Nanocomposites: From Adaptive Mechanics to Building Lasers

Andreas Walther

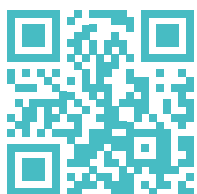
Department Chemistry, University Mainz



Colourful synergies of geometry and quasi-/order in biological photonic systems

Bodo Wilts

Adolphe Merkle Institute, University of Fribourg, CH



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BOOK YOUR PARTICIPATION NOW

ON-SITE TICKET*

Limited to 45 participants. First come, first serve! These tickets cannot be booked separately without an overnight stay and catering package!

PERSONAL DGM MEMBER € 1,100

DGM COMPANY/INSTITUT MEMBER € 1,185

Employees of a DGM company or institute members

REGULAR € 1,250

ON-SITE TICKET - YOUNG SCIENTISTS*

PERSONAL DGM MEMBER € 900

Bachelor, Master and PhD Students up to 30 years, who are personal DGM members (proof required)

DGM COMPANY/INSTITUT MEMBER € 940

Bachelor, Master and PhD Students up to 30 years, who are employees of a DGM company/institute members

REGULAR € 990

Bachelor, Master and PhD Students up to 30 years (proof required)

ONLINE TICKET**

PERSONAL DGM MEMBER € 360

DGM COMPANY/INSTITUT MEMBER € 370

Employees of a DGM company or institute members

REGULAR € 390

*On-site tickets include:

the possibility to watch all contributions on-demand for 14 days after the conference | accommodation from Monday 21 March 2022 to Thursday 24 March 2022 catering package:

- 3x Breakfast (from Tuesday to Thursday)
- 4x Lunch (from Monday to Thursday)
- 3x Dinner (from Monday to Wednesday)

**Online tickets include:

the online participation through a browserbased web conference platform and the possibility to watch all contributions on-demand for 14 days after the conference

Disclaimer

Overnight stays are included in the price of the on-site tickets and are limited. The general terms and conditions apply, which can be found at the conference website. If your submission request cannot be fulfilled, cancellation is free of charge.

Conference Office

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