



Adaptive Polymers and Systems

Biennial Meeting of the GDCh-Division of Macromolecular Chemistry together with SFB 985

September 12 – 14, 2022
Aachen

DWI
Leibniz-Institut für
Interaktive Materialien

RWTH AACHEN
UNIVERSITY

www.gdch.de/makro2022

Adaptive Polymers and Systems

The seminal field of adaptive polymers and systems deals with interactive and smart functional materials. The ability of biological systems and matter to sense their environment, process information, and react in an autonomous fashion inspires the development of similar complex and functional polymers and polymer systems. Thus, the term “intelligent materials” has emerged and further developments strive towards the imitation of functionalities and properties of living matter and systems.

The scope of the conference covers all physical and chemical aspects of this broad topic including experimental and theoretical contributions to the following topics:

- Switchable polymer systems
- Stimulus-responsive macromolecules
- Bioactive, bioinspired, biohybrid, and biomedical macromolecular systems
- Integration of fuels and motile polymer systems
- Interactive soft colloids
- Sustainable polymer material solutions

This conference provides a platform for experienced experts and young talents from both academia and industry to share the latest research results and breakthroughs, as well as discuss challenges and opportunities of the field.

CONFERENCE VENUE

RWTH Aachen University
Campus – Building SuperC
Templergraben 57
52062 Aachen, Germany
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AWARDS

Hermann-Staudinger-Preis

Monday evening, September 12, 2022, will be devoted to a special session including the Staudinger award ceremony. Awardee is Prof. Dr. Bert Meijer, Eindhoven University of Technology/Netherlands.

Reimund-Stadler-Preis

Monday evening, September 12, 2022, will be devoted to a special session including the Stadler award ceremony.

ORGANISING COMMITTEE

Prof. S. Hecht	Aachen/DE
Prof. A. Herrmann	Aachen/DE
Prof. W. Richtering (SFB 985)	Aachen/DE
Prof. T. Wiegand	Aachen/DE
Prof. L. De Laporte	Aachen/DE
Prof. P. Theato	Karlsruhe/DE
Dr. J. Simon	Leverkusen/DE

SESSIONS AND TOPICS

- Switchable and stimulus responsive polymer systems
- Bioactive, bioinspired, biohybrid and biomedical macromolecular system
- Out-of-equilibrium, motile and interactive polymers and soft colloids
- Sustainable polymer material solutions

PLENARY SPEAKERS

Tanja Weil	Mainz/DE
Armido Studer	Münster/DE
Rint Sijbesma	Eindhoven/NL

KEYNOTE SPEAKERS

Manfred Wilhelm	Karlsruhe/DE
Michael Carus	Köln/DE
Patricia Dankers	Eindhoven/NL
Philip DuPrez	Gent/BE

GENERAL MEETING

The general meeting of the GDCh-Division of Macromolecular Chemistry will take place on Tuesday, September 13, 2022 at 4:30 p.m. at the Campus Building SuperC.



