

**conference**series.com

21<sup>st</sup> International Conference and Exhibition on

# Materials Science and Chemistry

March 13-14, 2023 | Frankfurt, Germany



**S C I E N T I F I C P R O G R A M**

08:30-09:00 Registrations

09:00-09:30 Introduction

09:30-09:50 COFFEE BREAK

09:50-11:50  
Meeting Hall 01 **KEYNOTE LECTURES**

	MEETING HALL 01	MEETING HALL 02
11:50-13:10	Talks On: Smart Material Science	Talks On: Chemical Engineering
	Applications of smart materials	Biocatalysis
	Smart polymers	Nanobiomaterials for Biosensing
	Optical & electronic smart materials	Chemical polymer technology

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

	MEETING HALL 01	MEETING HALL 02
14:00-16:00	Talks On: Industrial Applications of Crystallization	Talks On: Carbon Nanostructures and Graphene
	Crystallization	Amorphous carbon
	Nucleation	Pyrolytic graphite
	Crystal growth	Nanoparticles-based substrates
	Molecular level solid structure	Polymer/carbon composites

16:00-16:20 COFFEE BREAK

**MEETING HALL 01 (16:20-17:00)**

Young Researchers in  
Materials Science and Chemistry

09:00-10:30  
Meeting Hall 01**KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

	MEETING HALL 01	MEETING HALL 02
10:50-12:50	<b>Talks On: Tissue Engineering</b>	<b>Talks On: Nano pharmaceuticals</b>
	3D Bioprinting of Tissues	Nanosuspension
	Application of Tissue Engineering	Nanocarriers
	Advanced Biomaterials	Advantages of nanopharmaceuticals
	Biomimetic Elastomers	

12:50-13:35 LUNCH BREAK

	MEETING HALL 01	MEETING HALL 02
13:35-15:55	<b>Talks On: Nanodentistry</b>	<b>Talks On: Solid-State Chemistry and Physics</b>
	Surgical nanorobotics	Amorphous Materials
	Ceramics in dentistry	Quantum Transport in Mesoscopic Nanostructures
	Nanocomposites	Experimental Determination of Crystal Structures
	Nanofillers	Structure and Properties of Solids

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)

Poster Presentations

MEETING HALL 01 (17:00-18:00)

Workshop

**Awards & Closing Ceremony**

# PAST AFFILIATES

Arnaud Caron

[KoreaTech - Korea University of Technology and Education, South Korea](#)

Patrick S. Grant

[Oxford University, UK](#)

Ian S. Butler

[McGill University, Canada](#)

Michael W. Tausch

[University of Wuppertal, Germany](#)

Alain Tressaud

[ICMCB-CNRS, University Bordeaux, France](#)

Urs Meier

[Swiss Federal Institute of Technology, Switzerland](#)

Lartigue Lenaic

[Universite de Nantes, France](#)

Jin An Wang

[Instituto Politecnico Nacional, Mexico](#)

John O Roberts

[University of Liverpool, UK](#)

Fargin Evelyne

[ICMCB-Universite Bordeaux, France](#)

Akira Yamaguchi

[Tokyo Institute of Technology, Japan](#)

Martin Baumgarten

[Max Planck Institute for Polymer Research, Germany](#)

Philippe Miele

[University of Montpellier, France](#)

Sandra Luber

[University of Zurich, Switzerland](#)

Alain DEMOURGUES

[University of Bordeaux, ICMCB-CNRS, France](#)

Stephane Cordier

[Institute of Chemical Sciences of Rennes, CNRS, France](#)

Hisayoshi Kobayashi

[Kyoto Institute of Technology, Japan](#)

Hwan Kyu Kim

[Korea University, South Korea](#)

V P Balema

[Ames Laboratory, US DOE, USA](#)

Donglu Shi

[Tongji University, China](#)

Reshef Tenne

[Weizmann Institute of Science, Israel](#)

# PAST AFFILIATES

Véronique Jubera

*University of Bordeaux, ICMCB-CNRS,  
France*

Elena Voloshina

*Humboldt University of Berlin, Germany*

Olivier Toulemonde

*University de Bordeaux, ICMCB-CNRS,  
France*

M Tréguer-Delapierre

*University of Bordeaux, ICMCB-CNRS, France*

Rana A Bilbeisi

*American University of Beirut, Lebanon*

Jawad K Olewi

*University of Technology, Iraq*

Javier González-Benito

*Carlos III University of Madrid, Spain*

Reshma Karkera

*A J Institute of Dental Sciences, India*

P Hemalatha

*Qatar University, Qatar*

Yan Huang

*Brunel University, UK  
Werner Karl Schomburg  
RWTH Aachen University, Germany*

Wlodzimierz Stanczyk

*Polish Academy of Sciences, Poland*

Yong-Hoon Cho

*Korea Advanced Institute of Science and  
Technology (KAIST), South Korea*

Mario Pablo Spector

*National Technological University, Argentina*

Abbas Saeed Hakeem

*King Fahd University of Petroleum and Minerals,  
Saudi Arabia*

Bruno Bureau

*Institut Universitaire de France, France*

Jijeesh R Nair

*Polytechnic University of Turin, Italy*

Ruben D. Costa

*University of Erlangen-Nuremberg (FAU),  
Germany*

Der-Jang Liaw

*National Taiwan University of Science and  
Technology, Taiwan*

Kenta Arima

*Osaka University, Japan*



# Frankfurt Attractions



St Bartholomew's



Romeberg



Schirn Kunsthalle



The Old Opera House



Main Tower



The Hauptwache



Frankfurt Cathedral



Museumsufer



Palmengarten



# Glimpses of Materials Chemistry Conferences

