

## Registration

Please register by **9 August 2024** via  
[www.buildmona.de/TCO2024](http://www.buildmona.de/TCO2024)

The registration fee of €420 covers the abstract booklet, coffee breaks, lunch and social events.

All payments must be made until  
**6 September 2024** with the remark  
"231391357" to our bank account:

*Name of account holder:*

Hauptkasse des Freistaates Sachsen

*Name and address of the bank:*

Deutsche Bundesbank

Karl-Liebknecht-Str. 141a

04275 Leipzig

IBAN: DE22860000000086001522

SWIFT/BIC Code: MARK DEF1 860

Remark : 704000337-3/231391357

+ number according to invoice

Amount : EUR 420,00

## Further Information

Up-to-date Information on the scientific program, location, accommodation and how to reach us can be found at

[www.buildmona.de/TCO2024](http://www.buildmona.de/TCO2024)

## Tutorials

### Anisotropic Properties of Oxides

#### Anisotropic structural properties

Marius Grundmann, Leipzig University

#### Anisotropic electrical properties

Saskia Fischer, Humboldt-Univ. Berlin

#### Anisotropic optical properties

Chris Sturm, Leipzig University

### Bädeker Lecture 2024



#### Darrell Schlom

Cornell University



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# TCO2024

## Transparent Conductive Oxides – Fundamentals and Applications

**23-27 September 2024**

Universität Leipzig

Felix Bloch Institute for Solid State Physics

Linnéstr. 5, 04103 Leipzig

### Organisation

Prof. Dr. Marius Grundmann, U Leipzig

Dr. Holger von Wenckstern, U Leipzig

[www.buildmona.de/TCO2024](http://www.buildmona.de/TCO2024)

## Scientific Scope

Transparent materials have many applications such as transparent contacts, electromagnetic shielding and devices in flexible active electronic circuits. Emerging directions of research are ultra-wide band gap materials and quantum systems for sensing and computing.

The TCO2024 meeting will include:

- theory of oxide electronic materials
- metal-like transparent materials
- widegap materials for quantum devices
- non-Hermitian systems
- energy harvesting
- ultra-widegap oxides

## Call for Contributions

The TCO2024 meeting calls for oral and poster contributions. Please submit to [TCO2024@uni-leipzig.de](mailto:TCO2024@uni-leipzig.de) a one-page abstract before **14 June 2024 (submission deadline)** as a pdf file with embedded fonts. Contributions will be selected by the program committee.

**Notification of acceptance** will be given via email by **15 July 2024**.

## Program Committee

Oliver Bierwagen, Paul-Drude-Inst., Berlin  
Vanya Darachieva, Linköping Univ.  
Saskia Fischer, Humboldt-Univ. Berlin  
Marius Grundmann, Leipzig Univ.  
George Kiriakidis, FORTH, Heraklion  
Andreas Klein, TU Darmstadt  
Stephen Pearton, Univ. of Florida  
Joel Varley, L. Livermore Natl. Lab.  
Holger von Wenckstern, Leipzig Univ.  
Hiroshi Yanagi, Univ. of Yamanashi  
Chang Yang, ECNU, Shanghai

## Sponsors



## Invited Speakers

Keith Butler, Rutherford Appleton Lab.  
Jonas Deuermeier\*, Univ. Nova Lisbon  
Janine George\*, BAM Berlin  
Andrew J. Green\*, Air Force Res. Lab  
Yasushi Hirose\*, Tokyo Metropol. Univ.  
Takuya Hosokai, AIST, Tsukuba  
Toshio Kamiya\*, Tokyo Inst. Techn.  
Kentaro Kaneko, Kyoto University  
Alexander Karg\*, Universität Bremen  
Lars Korte\*, HZB Berlin  
Piero Mazzolini\*, Parma University  
Julia Medwedeva\*, Univ. of Missouri  
Monica Morales Masis\*, Univ. Twente  
Louis Pereira, Univ. Nova Lisbon  
Robin Perry, Univ. College London  
Bernd Szyska, Techn. Univ. Berlin  
Wolfgang Tress\*, ZHAW School of Eng.  
Martina Zupancic\*, IKZ Berlin

*a few submitted contributions can be upgraded by the program committee to invited presentations.*

\*confirmed