

## Registration

Please register by **10 August 2014** via  
[www.buildmona.de/TCO2014](http://www.buildmona.de/TCO2014)

The registration fee of €250 covers the abstract booklet, coffee breaks, the conference dinner and lunch.

All payments must be made until  
**15 September 2014** with the remark "2313 912" and your full name to our bank account:

*Name of account holder:*

Hauptkasse des Freistaates Sachsen

*Name of the bank:*

Ostsächsische Sparkasse Dresden

Account number: 315 301 137 0

BLZ: 850 503 00

IBAN: DE82850503003153011370

SWIFT/BIC Code: OSDD DE 81

Remark : 2313 912, your full name

Amount : EUR 250,00

## Further Information

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

[www.buildmona.de/TCO2014](http://www.buildmona.de/TCO2014)



Karl Wilhelm Bädeker (1877-1914)

The Leipzig born **Karl W. Bädeker**, grandson of the founder of the Baedeker tour guides, reported 1907 in his Habilitationsschrift at Universität Leipzig the first transparent, conductive thin films, namely from cadmium oxide (n-type) and copper iodide (p-type). He also achieved the first doping of semi-conductors via the variation of the iodine concentration in CuI. He died one hundred years ago in WWI in the battle around Liège.

UNIVERSITÄT LEIPZIG

# TCO2014

## Transparent Conductive Oxides - Fundamentals and Applications

in honor of the 100th anniversary  
of the death of  
**Prof. Dr. Karl W. Bädeker**

29.9.-2.10.2014

Universität Leipzig

Institut für Experimentelle Physik II

Linnéstr. 5, 04103 Leipzig

### Organisation

Prof. Dr. Marius Grundmann, U Leipzig

Dr. Andreas Rahm, Solarion AG

Dr. Holger von Wenckstern, U Leipzig

[www.buildmona.de/TCO2014](http://www.buildmona.de/TCO2014)

## Scientific Scope

Transparent materials are used for ohmic applications such as transparent contacts in displays and solar cells or electromagnetic shielding. Also semiconducting transparent oxides for diodes and transistors have gained tremendous interest due to applications in transparent and flexible active electronics.

The TCO2014 meeting calls will focus on:

- theory of oxide electronic materials
- growth of bulk semiconducting oxides
- amorphous oxide thin films
- metal-like n-type TCOs
- p-type oxides
- point defects in oxides
- oxide devices

## Call for Papers

The TCO2014 meeting calls for oral and poster contributions. Please submit to [TCO2014@uni-leipzig.de](mailto:TCO2014@uni-leipzig.de) a one-page abstract before **15 June 2014** (**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 2014**.

# TCO2014

## Program Committee

Pedro Barquinha, CENIMAT, Lissabon  
Klaus Ellmer, Helmholtz-Zentrum Berlin  
Marius Grundmann, Universität Leipzig  
Thomas Riedl, Universität Wuppertal  
James S. Speck, UC Santa Barbara  
Tim Veal, University of Liverpool  
Holger v. Wenckstern, Universität Leipzig

## Invited Speakers

Martin Allen, University of Canterbury, Christchurch  
André Bikowski, Helmholtz-Zentrum Berlin  
Keith Butler, University of Bath  
Leonard J. Brillson, Ohio State University  
Dirk Ehrentraut, Soora, Fremont  
Christian Elsässer, FhI Freiburg  
Elvira Fortunato, Universidade Nova de Lisboa  
Zbigniew Galazka, Leibniz-Institut für Kristallzüchtung, Berlin  
Kee Hoon Kim, Seoul National University  
Stephan Lany, NREL, Golden  
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John F. Wager, Oregon State University



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## Publication

Conference contributions can be submitted for peer-reviewed publication in a special issue of ([www.pss-a.com](http://www.pss-a.com))



applications and  
materials science