

20. Tagung Festkörperanalytik



20th Conference on Solid State Analysis

Vienna, July 1 – 3, 2019

Organizers:



Institut für Chemische Technologien und Analytik der
TU Wien

Österreichische Gesellschaft für Analytische Chemie
(ASAC) in der GÖCh

Supporting Organizations:

Institut für Physik der TU Chemnitz

Institut für Chemie der TU Chemnitz

Chemikerausschuss des Vereins Deutscher
Eisenhüttenleute

Deutsche Gesellschaft für Materialkunde

Fachgruppe Analytische Chemie der GDCh

Fachgruppe Festkörperchemie und Materialforschung
der GDCh

Deutscher Arbeitskreis für Analytische Spektroskopie
DAAS der GDCh

GDMB Gesellschaft der Metallurgen und Bergleute
e.V.

Deutscher Verband für Materialforschung und
–prüfung e.V.

Deutsche Vakuumgesellschaft e.V. (DVG)

Fachverband Kristalline Festkörper und deren
Mikrostruktur (KFM) der DPG

**Invitation to submit
contributions**

Presentations in English !

Venue

Vienna University of Technology

Wiedner Hauptstraße 8-10, A-1040 Wien

Scientific Committee

G. Friedbacher, Wien (Chair)

C. Tegenkamp, Chemnitz (Co-Chair)

D. Bleiner, Dübendorf

J. Broekaert, Hamburg

R. Denecke, Leipzig

H.-J. Engelmann, Dresden

M. Fröba, Hamburg

T. Gemming, Dresden

W. A. Goedel, Chemnitz

M. Hietschold, Chemnitz

R. Holze, Chemnitz

H. Hutter, Wien

M. Kopnarski, Kaiserslautern

H. S. Leipner, Halle

J. Mayer, Aachen

F. Mücklich, Saarbrücken

K.-H. Müller, Soest

H. Nickel, Jülich

H. Oechsner, Kaiserslautern

J. Pedarnig, Linz

P. Portella, Berlin

S. Schweizer, Soest

T. Seyller, Chemnitz

V. Thien, Mülheim

K. Wetzig, Dresden

D. Zahn, Chemnitz

Ch. Ziegler, Kaiserslautern

Concept of the Conference

The FKA conference is held biannually alternating between Vienna and Chemnitz. It has a very strong interdisciplinary character with the focus on scientific exchange between analytical-methodological developments and scientific-technological problem solving covering all fields of research on solids by invited and contributed lectures as well as poster presentations. This broad range of topics combined with the intimate character of the conference has made FKA very unique and appreciated in the scientific community for many decades in Germany, Austria and Switzerland, but also among participants from neighboring countries. In order to meet numerous requests in the past and in order to facilitate participation for non-German speaking scientists, this year, being the 20th jubilee of the conference, all presentations will be given in English. Nonetheless we will keep the unique interdisciplinary and intimate character of the conference, but making it more accessible to everybody who is interested to experience that unique and inspiring atmosphere.

NEW ! – Hands-On Workshops

This year two workshops both with lectures and hands-on experience will be offered, TOF-SIMS and in-situ X-ray diffraction. The workshops (approximately 4 hours) will be held on Sunday, June 30, 2019 prior to the evening reception with registration for the conference. Participation is included in the conference fee.

Company Exhibition

Manufacturers of analytical instruments will present their newest developments during the whole period of the conference.

Topics

The conference covers all topics related to characterization of solids and their behavior, including both basic research and technological applications.

- **Elemental and compound analysis:** micro- and nano-analysis, surface and interface analysis, trace analysis
- **Structural analysis**
- **Chemical reactions in solids and on solid surfaces**
- **Dynamic behavior of solids:** transport phenomena, diffusion, segregation
- **Application to material science:** metals, semiconductors, ceramics, glasses, polymers, composites, nano-structured materials, biomaterials, functional layer systems (micro/nano-electronics, opto-electronics, photonics, adhesive- and anti-adhesive layers, self-assembled layers)
- **Theoretical and chemometrical aspects**
- **Quality assurance**
- **New instruments & methods**

New ! - Special Focus

For each edition of the FKA conference we would like to solicit contributions on highly relevant current research topics. In 2019 this focus will be put on **“New Surfaces and Functional Layers – Functionalizing and Analyzing”**. All contributions related to this topic ranging from theory to experiments covering fundamental and application-related aspects are particularly welcomed, and will be matched by the program committee with the other topics of the conference and the whole program.

Conference details

Registration & Submission of Contributions (Deadline, April 15, 2019):

Online @ www.fka20.at (preferred) or with attached form.

Abstract (max. 1 A4 page, 12 pt Times New Roman, spacing 1.5 lines) by **email to info@fka20.at** until **April 15, 2019**

Oral presentations will be 20 min incl. discussion. For each poster 2 boards (94 cm wide & 186 cm high) are available. Please indicate your desired type of presentation. **Letters of acceptance** will be sent **until May 15, 2019**. The **final program** will be mailed in **June 2019**.

Social Program:

Welcome reception on June 30, 2019, 16 – 20 h

Heurigen on July 3, 2019, 17:30 h

(Traditional Viennese wine tavern)

Conference fees:

Members of supporting organizations

€190,-- (240.- after April 15)

all other participants

€240,-- (290.- after April 15)

Students (with certificate)

€75,-- (100.- after April 15)

Payment: after registration an invoice will be sent

Information and registration:

Prof. Dr. Gernot Friedbacher

Institut für Chemische Technologien und Analytik

Technische Universität Wien

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Telefon: +43 1 58801-15110 or 15101 (office)

Telefax: +43 1 58801-15199

E-mail: gernot.friedbacher@tuwien.ac.at

Internet: www.fka20.at



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Festkörperanalytik**

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Prof. Dr. Gernot Friedbacher

Institut für Chemische Technologien und Analytik,

Technische Universität Wien,

Getreidemarkt 9/164-IAC, A-1060 Wien.

Tel.: +43 1 58801-15110 or 15101 (office)

Fax: +43 1 58801-15199

E-mail: gernot.friedbacher@tuwien.ac.at or info@fka20.at

Name & title: _____

Institution: _____

Address: _____

Phone & Fax: _____

E-mail: _____

Submission of contribution:

Autors (underline presenting author): _____

Title: _____

Preferred presentation: Oral or Poster

Registration for workshop:

TOF-SIMS in-situ X-ray diffraction

Date: _____ Signature: _____