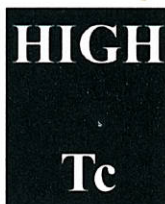




TECHNISCHE
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Program



34th Workshop

on

Novel Materials and Superconductors

JUFA Schladming February 10 – 15, 2019

Sponsored by TU Wien

Location:	JUFA Hotel Schladming Coburgstrasse 253, A – 8970 Schladming Tel: +43(0) 5/7083-330 international Fax: +43(0) 5/7083-331 international
Date:	Arrival: Sunday, February 10th, 2019 (Dinner 18:00, Get Together 19:30) Departure: Friday, February 15th, 2019

Organizers:

Univ.Prof. Dr. Günther Rupprechter
Ao.Univ.Prof.Dr. Peter Blaha
Mag.phil. Ulrike Prohaska
Institute of Materials Chemistry
TU Wien, Getreidemarkt 9/E165, A-1060 Vienna
Tel: [+43] (1) 58801-165101
Fax: [+43] (1) 58801-16599
E-Mail: guenther.rupprechter@tuwien.ac.at

B. Batlogg
F. Kubel
G. Rupprechter

Program Committee:

U. Diebold
W. Lang
K. Schwarz
P. Knoll
S. Paschen
P. Weinberger

Friday, Feb. 15th, 2019 Short Presentations

(Chair: Peter Weinberger)

PhD Paolo Rudatis From Graphene Biosensing to Hematite Photosensing

~~14:00 Helge Rosner (Max-Planck-Institut für Chemische Physik fester Stoffe, Univ. Ferrara, Germany)~~ BSc, MSc

Physical Properties and Electronic Structure of Delafossites

~~14:20 Christian Knoll (TU Wien, Austria)~~

C. Knoll, D. Müller, M. Seifried, G. Giesster, M. Reissner, P. Weinberger

Enlarged Spin Switchable Hoffman-Type Networks for Sensing Applications

~~14:40 Leonie Deilmann (TU Wien, Austria)~~ Münster BSc, MSc → Poinnik PhD

L. Deilmann, D. Eder

Mesostructuring of Semiconduction Photocatalysts

~~15:00 Coffee Break~~

~~15:20 Alexey Cherevan (TU Wien, Austria)~~

Towards Surface-Immobilized Non-Noble-Metal Oxide Co-Catalysts for Photocatalytic Water Splitting

~~15:40 Marco Arrigoni (TU Wien, Austria)~~ BSc, MSc, Milano Bicocca PhD Stuttgart MPI

M. Arrigoni, J. Carrete, N. Mingo, G. Madsen

Role of Force-Constant Disorder in the Lattice Thermal Conductivity of Semiconductor Alloys: a First-Principles Study

~~16:00 Iwona Rutkowska (Univ. of Warsaw, Poland)~~

Graphene Nanostructures in Electrocatalysis

~~16:20 End~~