

Art, history, law, animals, politics, the universe, evolution, and science comprise millions of individual elements. While the large can never exist without the small, conversely, the ensemble often provides context and meaning to the element. Whereas some constituents may be lost, replaced, or forgotten over time, others define the trajectory of the whole.

As humans, we are fascinated by the tiniest, the greatest, and their interactions. On this Science Day, we invite you to join us in exploring the term "SCALES" from the diverging perspectives of cultural studies, mathematics, space, African studies, philosophy, immunology, and physics.

We invite you to this year's Young Academy Science Day that consists of two parts: First, seven members and one alumnus of the Young Academy will present their perspectives on how "SCALES" relate to their research in English. The Science Day will culminate in the second part: A German "Festvortrag" highlights how humanity observes the earth from space and measures, understands, and predicts minuscule changes.

Part one and two can be attended independently. The event is concluded by a reception.

#### ORGANISING COMMITTEE

Nina Klimburg-Witjes | University of Vienna

Marcus Osslander | Graz University of Technology

Birgitta Schultze-Bernhardt | Graz University of Technology

Katharina Wiedlack | University of Vienna

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#### REGISTRATION

We kindly ask you to register by 19<sup>th</sup> September 2024 via the following QR code:



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ÖAW

AUSTRIAN  
ACADEMY OF  
SCIENCES



YOUNG ACADEMY

# SCIENCE DAY SCALES

THURSDAY, 26<sup>TH</sup> SEPTEMBER 2024

11:00–18:30

GRAZ UNIVERSITY OF TECHNOLOGY, AULA  
RECHBAUERSTRASSE 12, 8010 GRAZ

# PROGRAMME

## PART ONE: SCIENTIFIC TALKS BY THE YOUNG ACADEMY

- 11:15 **Welcome**
- 11:30 **Katharina Wiedlack** | English and American Studies, University of Vienna  
*Gender, Disability and Questions of Standardization, Categorization and Measurability from a Cultural Studies Perspective*
- 12:00 **Ljiljana Radonić** | Institute of Culture Studies, Austrian Academy of Sciences  
*"Small-Scale Holocausts", the Holocaust/Genocide Template and Victim Competition*
- 12:30 LUNCH
- 13:30 **Peter Szmolyan** | Institute of Analysis and Scientific Computing, Vienna University of Technology  
*Dynamics of Multi-Scale Systems*
- 14:00 **Nina Klimburg-Witjes** | Department of Science & Technology Studies, University of Vienna  
*Scale-Jumping on/off Earth or: How to Follow a Rocket Around*
- 14:30 **Anais Angelo** | Department of African Studies, University of Vienna  
*How Many Women are Enough? Postcolonial Insights on the History of Women in National Assemblies*
- 15:00 COFFEE BREAK
- 15:30 **Thomas Vogl** | Center for Cancer Research, Medical University of Vienna  
*How Genetics Shape the Human Immune System*
- 16:00 **Birgitta Schultze-Bernhardt** | Institute of Experimental Physics, Graz University of Technology  
**Marcus Ossiander** | Institute of Experimental Physics, Graz University of Technology  
*Time versus Frequency – What's the Better Scale?*
- 16:30 **Break for Discussions**

## PART TWO: FESTVORTRAG VON HANS SÜNKELE

- 17:00 **Begrüßung**  
**Wolfgang Baumjohann** | Präsident der mathematisch-naturwissenschaftlichen Klasse der ÖAW & Honorar-Professor der TU Graz  
**Lokales Organisationsteam der Jungen Akademie**
- 17:15 **Festvortrag**  
**Hans Sünkel** | Alt-Rektor der TU Graz & Wirkliches Mitglied der ÖAW  
*Formula Space: im freien Fall – um die Erde*  
*Wissen – Technik – Leidenschaft*
- 18:30 **Empfang**