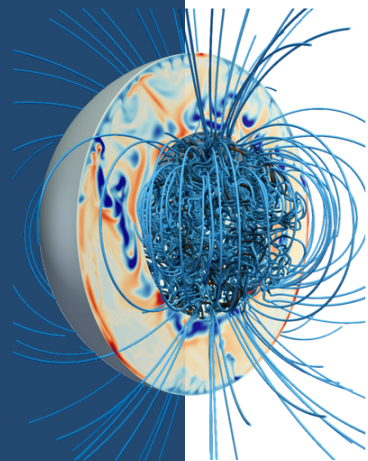




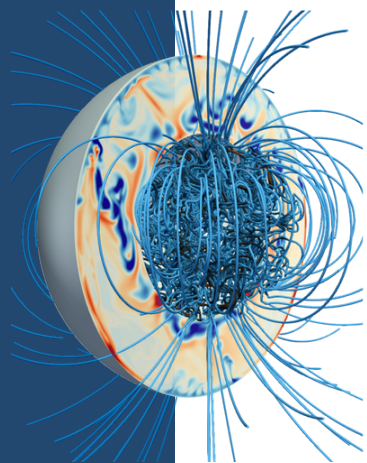
DEEP DYN

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Annual Meeting 2025
25 - 28 Nov 2025
HKK Hotel, Wernigerode

PROGRAM

	TUESDAY 25 NOV	WEDNESDAY 26 NOV	THURSDAY 27 NOV	FRIDAY 28 NOV
09:00		Welcome & Keynote	Keynote	
10:00		Oral Session	Oral Session	Group Discussion
		Coffee	Coffee	Coffee
11:00		Oral Session	Oral Session	Proposal Discussion
12:00		Lunch	Lunch	Lunch
13:00				
14:00		Walk & Talk	Walk & Talk	
		Oral Session		
15:00			Oral Session	
16:00	Welcome Registration	Coffee & Posters	Coffee & Posters	
17:00	ECS Meet.			
18:00	Dinner	Group Discussion	Theme Discussion	
19:00		Dinner	Dinner	
20:00	Icebreaker	Board Meeting & Get-together	Get-together	
22:00				



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Annual Meeting 2025
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HKK Hotel, Wernigerode

PROGRAM

TUESDAY 25 NOVEMBER 2025

16:00 - 17:00

FOYER

WELCOME COFFEE & REGISTRATION

17:00 - 18:00

SAAL WERNIGERODE

TALK WITH A WINK

TINE THOMAS

HOW NOT GIVE A TALK

ECS MEETING

ECS

18:00 - 19:30

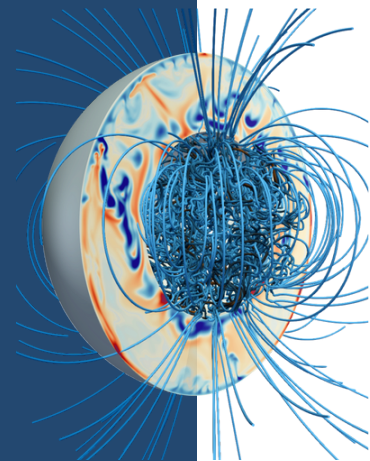
RESTAURANT SPELHUS

DINNER (WITH SEATING ARRANGEMENTS)

19:30 - 21:30

SAAL WERNIGERODE

ICEBREAKER



DEEP DYN

SPP 2404

Annual Meeting 2025
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HKK Hotel, Wernigerode

WEDNESDAY 26 NOVEMBER 2025

06:30 - 08:45

RESTAURANT SPELHUS

BREAKFAST

08:45 - 10:30

SAAL WERNIGERODE

OPENING WORDS

Stuart Gilder

Convener: Anna Schneider

KEYNOTE

Mathieu
Dumberry

Inference on the dynamics, structures and physical properties of the deep Earth from length of day changes

ORAL SESSION

Ingo Stotz

Reconstructing Earth's Deep Dynamics through Geological Time

Illya Lohay

Utilizing codensity approach to assess how core-mantle boundary properties influence geomagnetic reversal frequency

10:30 - 11:00

SAAL WERNIGERODE

COFFEE BREAK

11:00 - 12:00

SAAL WERNIGERODE

ORAL SESSION

Convener: Florian Lhuillier

Anang
Sahroni

Paleomagnetism of the East Sulawesi Ophiolite (Banggai Regency, Indonesia)

Sunaina
Shinu

Reversals and Excursions: Asymmetric Dynamics from Data and simulations

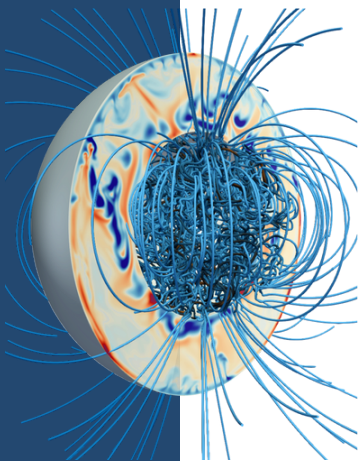
Monika
Korte

Characteristics of the Gauss-Matuyama geomagnetic field reversal

Axel
Rosenthal

Double diffusive finger convection in rotating systems

PROGRAM



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Annual Meeting 2025
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WEDNESDAY 26 NOVEMBER 2025

12:00 - 13:30

RESTAURANT SPELHUS

LUNCH (WITH SEATING ARRANGEMENTS)

13:30 - 14:30

MEETING POINT: FOYER

GROUP PICTURE



WALK AND TALK

WALKING TOUR OF THE OLD TOWN

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14:30 - 15:30

SAAL WERNIGERODE

ORAL SESSION

Convener: Anang Sahroni

Niklas Kallnik

Tracing core-mantle interaction over the course of the Cretaceous Superchron using combined W-Nd-Ru isotope data

Josua Pakulla

Evaluating core-mantle interaction in Proterozoic mantle plumes

Carolin Weber

Magneto-rotating finger convection in stable layers at the top of Earth's core

Mohammad Anas

Composition Transfer and Regime Transition in Double-Diffusive Fingering Convection

15:30 - 16:00

SAAL WERNIGERODE

COFFEE BREAK

16:00 - 18:00

SAAL WERNIGERODE

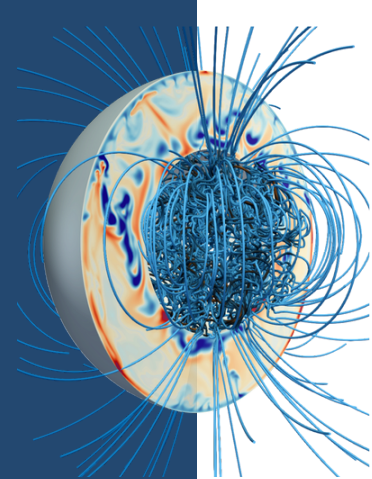
JSEDI EDITION OF OUR PRIORITY PROGRAM

Mathieu Dumbery

POSTER SESSION

Sabrina Sanchez *Illustrations for science outreach.*

PROGRAM



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Annual Meeting 2025
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HKH Hotel, Wernigerode

WEDNESDAY 26 NOVEMBER 2025

POSTER SESSION

Florian Lhuillier	<i>Geomagnetic dipole strength during the Cretaceous Normal Superchron</i>
Joachim Ritter	<i>Anisotropy in the lowermost mantle from SKS /SKKS splitting observations</i>
Bernhard Schuberth	<i>Integrating tomographic resolution and uncertainty information into geodynamic mantle flow reconstructions</i>
Takumi Matsunaga	<i>Global reconstruction of the long-period ScS-SH dataset via automated temporal matching algorithm</i>
Georgii Kovalskii	<i>Structural properties of trace elements in melts of the lower mantle</i>
Gabriel Robl	<i>From seismic models to mantle temperatures: Uncertainties related to complex mineralogy and limited tomographic resolution</i>
Horst Worm	<i>The record of polarity events</i>

18:00 - 19:00

SAAL WERNIGERODE

GROUP DISCUSSION

19:00 - 20:30

RESTAURANT SPELHUS

DINNER (WITH SEATING ARRANGEMENTS)

20:00 - 21:15

SAAL WERNIGERODE

BOARD MEETING

STEERING COMMITTEE

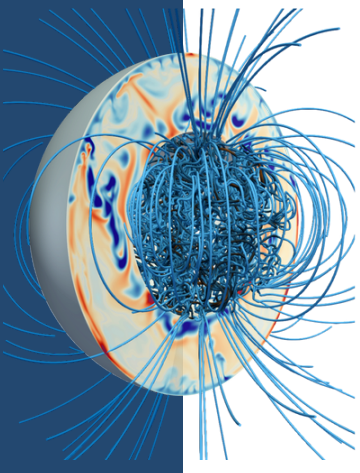
20:30 - 22:00

BIERSTUBE BERLINER

GET-TOGETHER (SELF-PAYING)

ZILLE

PROGRAM



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Annual Meeting 2025
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HKH Hotel, Wernigerode

PROGRAM

THURSDAY 27 NOVEMBER 2025

06:30 - 09:00
BREAKFAST

RESTAURANT SPELHUS

09:00 - 13:00

SAAL WERNIGERODE

Convener: Carina Weigel

KEYNOTE

Christopher Lefèvre *Collective magnetotaxis*

ORAL SESSION

Mitali Chitnis *Magnetotaxis in an anaerobic ciliate via tripartite symbiosis*

Maja Bajic *Ecology and evolution of magnetotactic bacteria in the Deep Biosphere of the Baltic Sea*

10:30 - 11:00
COFFEE BREAK

SAAL WERNIGERODE

11:00 - 12:00

SAAL WERNIGERODE

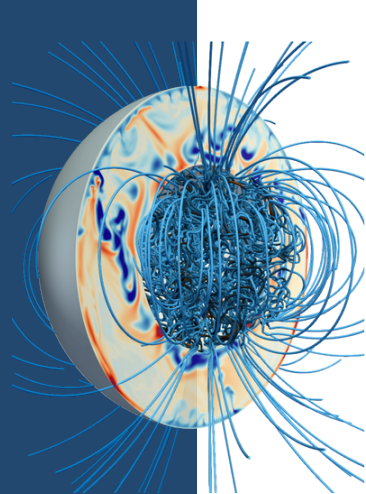
ORAL SESSION

Convener: Maximilian Schulze

Anna Schneider *Constraining CMB heat flow by combining geodynamic modelling, normal mode seismology and true polar wander*

Christoph Sens-Schönfelder *Global Evidence for the Contribution of Earth's Surface Topography to Seismic PP Precursor Waves*

Valentin Bonnet Gibet *Insight on plate tectonic onset from 1D Core-Mantle couples thermal evolution modelling*



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THURSDAY 27 NOVEMBER 2025

Karen Appel *Ferropericlasite at lower mantle conditions*

12:00 - 13:00

LUNCH (WITH SEATING ARRANGEMENTS)

RESTAURANT SPELHUS

13:00 - 15:00

MEETING POINT: FOYER

WALK AND TALK

PROMENADE TO WERNIGERODE CASTLE

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15:00 - 16:00

SAAL WERNIGERODE

ORAL SESSION

Convener: Josua Pakulla

Harini
Thiyagarajan

D''observations under high magnetic flux regions Siberia and Canada

Kilian Abraham

Equation of state and transport properties of iron hydrides at outer core conditions via ab-initio and machine learning methods

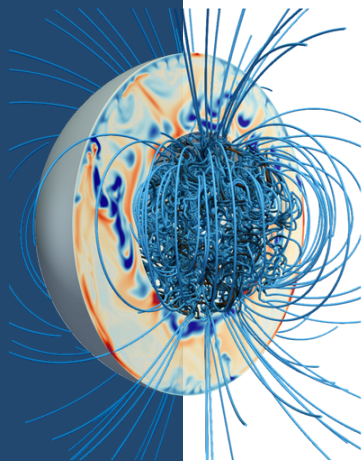
Maximilian
Schulze

Oxygen diffusivity in Davemaoite and its geophysical and geochemical implications

Eric
Edmund

Thermal conductivity of FeSi at extreme conditions

PROGRAM



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Annual Meeting 2025
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PROGRAM

16:00 - 18:00

SAAL WERNIGERODE

COFFEE & POSTERS

Sanja Panovska	<i>Time-averaged perspectives on multi-million-year geomagnetic field variability</i>
Stephanie Scheidt	<i>Current palaeomagnetic studies at the University of Cologne</i>
Georg Spiekermann	<i>The status of the new thermal conductivity lab in Münster</i>
Amrendra Kumar Tiwari	<i>Atomic-Scale Investigation of Thermal Conductivity in Lower Mantle Minerals</i>
Carina Weigel Daniel Pfeiffer	<i>Genetic Adaptations in Magnetotactic Bacteria to Magnetic Field Variations</i>
Gerd Steinle-Neumann	<i>Atomistic insight into the synthesis of gold hydride at high P and T at the XFEL</i>
Zhirui Wang	<i>Inferring asthenospheric currents from plate motion changes</i>
Juliane Dannberg	<i>Methods for Capturing Phase Transitions in Earth's Deep Interior: From Solid-Solid to Solid-Liquid</i>

18:00 - 19:00

THEME DISCUSSION

SAAL WERNIGERODE

ARBEITSINSELN

19:00 - 20:30

RESTAURANT SPELHUS

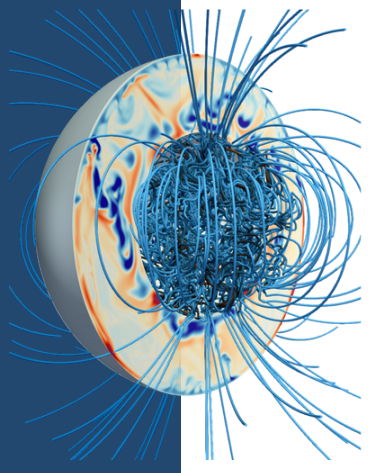
DINNER (WITH SEATING ARRANGEMENTS)

20:30 - 22:00

BIERSTUBE BERLINER

GET-TOGETHER (SELF-PAYING)

ZILLE

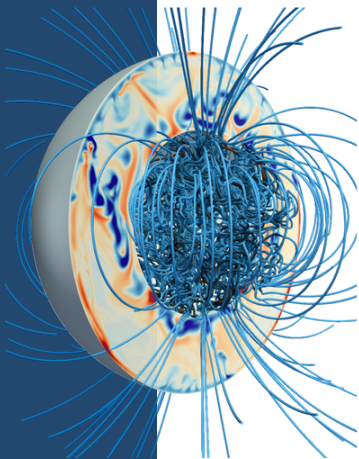


Annual Meeting 2025
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PROGRAM

FRIDAY 28 NOVEMBER 2025

06:30 - 09:00 BREAKFAST & CLEAR YOUR ROOM	RESTAURANT SPELHUS
09:00 - 10:30 GROUP DISCUSSION	SAAL WERNIGERODE
10:30 - 11:00 COFFEE BREAK	SAAL WERNIGERODE
11:00 - 12:00 PROPOSAL DISCUSSION GOODBYE WORDS	SAAL WERNIGERODE
12:00 - 13:30 LUNCH (WITH SEATING ARRANGEMENTS)	RESTAURANT SPELHUS



DEEP DYN

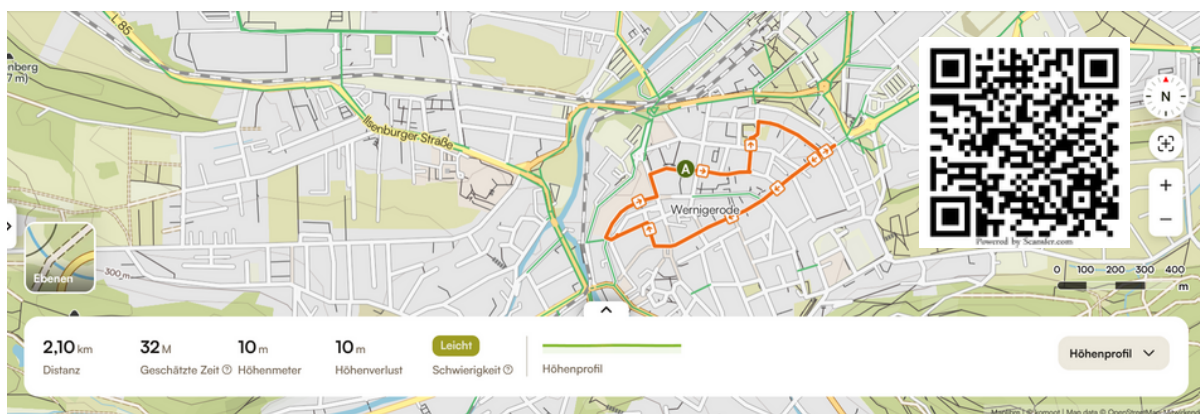
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WALK AND TALK

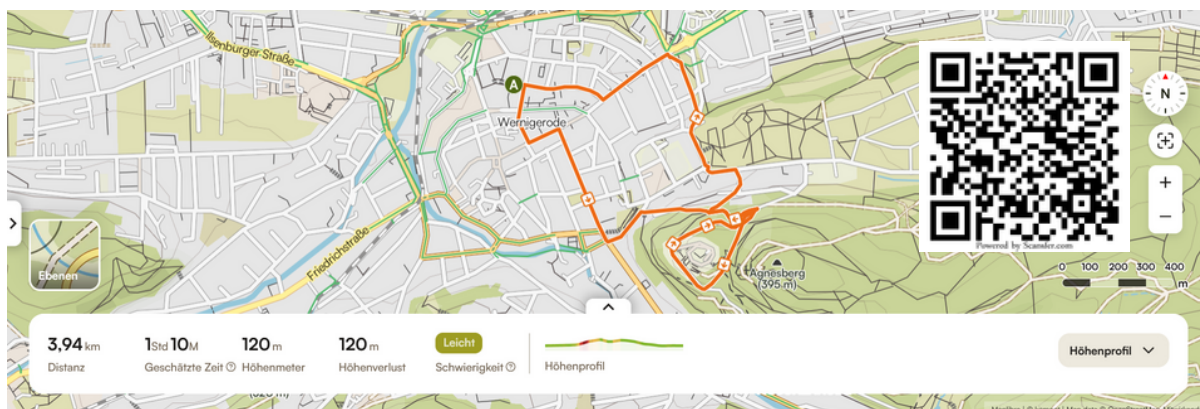
WEDNESDAY 26 NOVEMBER 2025

WALKING TOUR OF OLD TOWN



THURSDAY 27 NOVEMBER 2025

PROMENADE TO WERNIGERODE CASTLE



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