



12th International Cretaceous Symposium

31 August – 5 September 2025

Leibniz University Hannover | Germany



PROGRAMME



<https://www.cretaceous2025.de>

Contents

Welcome & Committees	3
General information	4
WLAN	4
Opening hours	4
Coffee & lunch	4
Conference Dinner	4
Detailed programme	4
Plenaries	5
Programme at a glance	6
Sitemap	8

Imprint

Programme brochure of the 12th International Cretaceous Symposium 2025 |
31 August – 5 September 2025
Leibniz University Hannover, Germany
Photo credits: U. Heimhofer, O. Uhlmann (digital artwork, AI), photo Hannover: Falco on pixabay.com, private
Layout and typesetting: F&U confirm GbR, Leipzig
Print: WIRmachenDRUCK GmbH, Backnang
Hannover, August 2025

Talks & posters

■ INSTRUCTIONS FOR ORAL PRESENTATIONS

Oral presentations are organized in two parallel sessions and indicated in the programme together with the time of presentation of each contribution. Sessions are scheduled in consecutive time blocks per day; one time block is 90 minutes in duration. A scientific session can cover multiple time blocks.

Each oral presentation has a total length of 15 minutes (12 min. talk plus 3 min. for discussion). The presentation length includes the time for change over. The allocated presentation time cannot be exceeded. Solicited presentations may vary in duration.

Presenters must give a live presentation. Pre-recorded talks are an exception.

Conference rooms are equipped with a computer (Windows 11) and beamer. Please bring your presentation files saved on USB-Stick to the conference. Please do not bring along your own notebook. Presentation files must be uploaded at the very latest in the (coffee or lunch) break before your session starts. A conference assistant will support you in uploading your presentation slides.

Presentation files are preferable in PowerPoint *.ppt/ pptx format. Alternatively, PDF is possible. Please use 16:9 format for your presentation. Please try to keep the file size below 50 MB per abstract.

Any participation in a session as presenter or attendee requires a paid registration for the conference.

■ INSTRUCTIONS FOR POSTER PRESENTATIONS

Poster presentations are organized in poster sessions and indicated in the programme together with the attendance time for the presentation (the actual time the author is expected to be by their poster). Poster sessions are scheduled for each conference day in the afternoon (except Wednesday and Friday).

Poster boards are in portrait format and authors can make use of the full dimensions of 970 mm width × 1,300 mm height. We suggest to use a poster size close to the upright German DIN A0 format, which equates to 841 mm width (33.11 in) × 1,189 mm (46.81 in) height.

Powerstrips are used for attaching the poster to the poster board. These are available at the poster board. Conference assistants in the poster area will assist in putting up or taking down the posters.

The number of each poster abstract and of its corresponding poster board is provided in the appropriate session programme.

Please note that the organizers are not able to provide printout of posters.

Any participation in a session as presenter or attendee requires a paid registration for the conference.



Dear colleagues,

■ Welcome to the 12th International Cretaceous Symposium, which will take place from 31 August to 5 September 2025 in Hannover, Germany. This prestigious event, jointly organized by Leibniz Universität Hannover (LUH) and the Federal Institute for Geosciences and Natural Resources (BGR), will provide a unique platform for leading scientists and professionals to present and discuss the latest findings and developments in the field of Cretaceous research.

The symposium will be held in the historic Welfenschloss, the main building of the LUH, and offers space for up to 350 participants. In addition to exciting lectures and poster presentations in two large lecture halls, there will also be a poster exhibition in the atrium of the main building. In addition, field excursions will be offered to important Cretaceous sites in the vicinity of Hannover, which is known as the “home of the German Cretaceous”.

We cordially invite all interested researchers, professionals and students to join us at this inspiring event and explore together the latest advances in Cretaceous research. Take the opportunity to exchange ideas with colleagues, make new contacts and become part of a dynamic and international scientific community.

Save the date for the 12th International Cretaceous Symposium in Hannover!

Cordially, the local organizing committee:

Ulrich Heimhofer | Univ. Hannover, André Bornemann | BGR, Jochen Erbacher | BGR, & Francois Krencker | Univ. Hannover

Committees

■ SCIENTIFIC BOARD

Chair: Ulrich Heimhofer | Univ. Hannover

Sietske Batenburg | Univ. Barcelona

Ian Jarvis | Kingston Univ. London

Maria Rose Petrizzo | Univ. Milano

Gregory Price | Univ. Plymouth

Emmanuelle Pucéat | Univ. Bourgogne

Reishi Takashima | Tohoku Univ. Museum

Silke Voigt | Univ. Frankfurt am Main

Ireneusz Walaszczyk | Univ. Warsaw

Markus Wilmsen | Senckenberg Naturhistorische Samm. Dresden

■ ORGANIZING COMMITTEE

Ulrich Heimhofer | Univ. Hannover

André Bornemann | BGR

Jochen Erbacher | BGR

Francois Krencker | Univ. Hannover

Technical coordinator: Hélène Stahn | Univ. Hannover



General information



■ WLAN

Network (SSID): UHEvent
WPA2 key: K3aQvT6L

■ CONFERENCE OFFICE / CHECK-IN | REGISTRATION: OPENING HOURS & CONTACT

Phone ++ 49 (0)XXX E-mail cretaceous2025@fu-confirm.de

Sunday: 4:00 – 9:00 pm

Monday & Wednesday: 8:00 am – 5:30 pm

Thursday: 8:00 am – 12:30 pm

■ COFFEE AND LUNCH BREAKS

The coffee breaks will take place in the atrium. You can have lunch at the Mensa (canteen), Callinstrasse 23, 30167 Hannover. The canteen is located about a 10-minute walk from the main building. Payment is only possible by debit or credit card.

Link to the menu: <https://www.studentenwerk-hannover.de/en/food/canteens-cafeterias/Hauptmensa>

Otherwise, you will find bistros, restaurants and cafés within 20-minute walk.

■ CONFERENCE DINNER | 3RD SEPTEMBER 2025 | ADMISSION: 6:00 PM, BEGINNING: 6:30 PM | INCL.

The conference dinner will take place in the Foyer (Lichthof) of the conference venue.

■ HOW DO I GET TO THE DETAILED PROGRAMME AND THE ABSTRACTS?

Please scan this qr code



or

- go on our Conference website <https://www.cretaceous2025.de/>
- click on the menu item “Programme schedule”,
- press the red “Programme” button.

Click on the session you are interested in. Now the lectures appear with their timeslots.

If you go now to “Show Abstracts” in the menu at the top, you will see the abstracts.

You can enter any term, any author in a search window at the top right and find everything listed.



Plenaries



■ **MONDAY, 1 SEPTEMBER 2025 L 2:00 – 2:45 PM**
LOCATION: E001

The impact of chemical weathering on late Cretaceous climate cooling

Silke Voigt | Goethe-Universität Frankfurt am Main



■ **TUESDAY, 2 SEPTEMBER 2025, 2:00 – 2:45 PM**
LOCATION: E001

Radioisotopic dating and the Cretaceous time scale

Bradley S. Singer | University of Wisconsin-Madison



■ **THURSDAY, 4 SEPTEMBER 2025, 2:00 – 2:45 PM**
LOCATION: E001

To heat, or not to heat, that is the question: Cretaceous environmental crises and their links to climate change

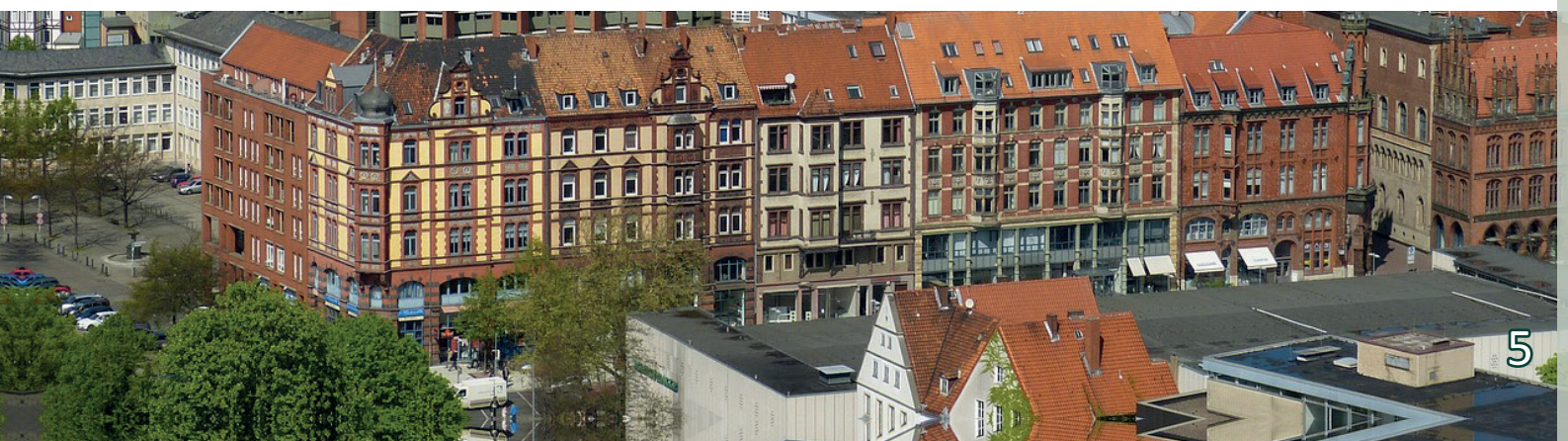
Lawrence Percival | Vrije Universiteit Amsterdam



■ **FRIDAY, 5 SEPTEMBER 2025, 11:00 – 11:45 AM**
LOCATION: E001

The response of calcareous nannoplankton to paleo-environmental changes: case studies from the Cretaceous

Cinzia Bottini | Università degli Studi di Milano



Programme at a glance

SUNDAY, 31 AUGUST 2025

2:00pm -	Workshop: Meeting of the IUGS Lower Cretaceous Ammonite Working Group (Kilian Group) Location: C109
6:00pm	
5:00pm	Registration Location: Foyer
6:00pm -	Welcome beer Location: Foyer
9:00pm	

MONDAY, 1 SEPTEMBER 2025

7:30am	Registration Location: Foyer	
9:00am -	Opening Ceremony & Invited Talk by SCS Chair Ian Jarvis "Defining and refining the Cretaceous time scale: integrated stratigraphy, stages, substages, GSSPs and SABSS for the last 77 Myr of the Mesozoic Era"	
10:30am	Location: E001	
10:30am -	Coffee Break Location: Foyer	
11:00am		
11:00am -	3b - Cretaceous Oceanic Anoxic Events Location: E001	2e - Terrestrial environments and climates in the Cretaceous Location: A310
12:30pm		
12:30pm -	Lunch Break Available, for example, at the Mensa, Callinstraße 23, 30167 Hannover. -> Payment only by debit or credit card	
2:00pm		
2:00pm -	Plenary Talk: Silke Voigt "The impact of chemical weathering on the Late Cretaceous climatic cooling"	
2:45pm	Location: E001	
2:45pm -	Coffee Break Location: Foyer	Poster Sessions 1a, 1b, 1c, 2b Location: Foyer
4:00pm		
4:00pm -	3b - Cretaceous Oceanic Anoxic Events Location: E001	2e - Terrestrial environments and climates in the Cretaceous Location: A310
5:30pm		

TUESDAY, 2 SEPTEMBER 2025

8:00am	Registration Location: Foyer	
9:00am -	1a - Jurassic-Cretaceous boundary interval Location: E001	Combined 5e - Cretaceous tetrapods from Europe & 5f - Cretaceous vertebrates – open session Location: A310
10:30am		
10:30am -	Coffee Break Location: Foyer	
11:00am		
11:00am -	1c - Integrated stratigraphy and refining the Cretaceous timescale Location: E001	5b - Ammonites – what else? Location: A310
12:30pm		
12:30pm -	Lunch Break Available, for example, at the Mensa, Callinstraße 23, 30167 Hannover. -> Payment only by debit or credit card	
2:00pm		
2:00pm -	Plenary Talk: Bradley Singer "Radioisotopic dating and the Cretaceous time scale"	
2:45pm	Location: E001	
2:45pm -	Coffee Break Location: Foyer	Poster Sessions 2a, 2c, 2d, 2e, 3a, 3b, 3c Location: Foyer
4:00pm		
4:00pm -	1c - Integrated stratigraphy and refining the Cretaceous timescale Location: E001	Combined 4d - Cretaceous sedimentation patterns in the southern Boreal Realm [...] & 4e - Regional geology and integrated stratigraphy of the Upper Cretaceous of NW-Europe Location: A310
5:30pm		
6:00pm	Meeting of the Subcommittee on Cretaceous Stratigraphy (SCS) Location: C109	

WEDNESDAY, 3 SEPTEMBER 2025

8:00am	Registration Location: Foyer	
9:00am - 10:30am	3c - Cretaceous environmental perturbations: paleoecology, paleoceanography and geochemistry Location: E001	Combined 4a - Shallow-marine Carbonate Systems & 4c - Cretaceous Geodynamics Location: A310
10:30am - 11:00am	Coffee Break Location: Foyer	
11:00am - 12:00pm	2a - Drivers of Cretaceous climate change: Evidence from new proxies and numerical modeling Location: E001	2c - Land-Ocean linkage in the circum-Pacific and Asia during the Cretaceous Location: A310
12:00pm - 1:00pm	Lunch Break Available, for example, at the Mensa, Callinstrasse 23, 30167 Hannover. -> Payment only by debit or credit card	
1:00pm	Mid-conference Geo-Site-Seeing-Tour	
6:30pm	Conference Dinner Admission: 18:00 Beginning: 18:30	

THURSDAY, 4 SEPTEMBER 2025

8:00am	Registration Location: Foyer		
9:00am - 10:30am	2d - Cretaceous Eustasy: State of the Art – contributions in honour of Peter R. Vail (1930 – 2024) Location: E001	Combined 5a - Cretaceous Larger Benthic Foraminifera & 5c - Unravelling the [...] significance of inoceramid bivalves & 5d - Cretaceous Invertebrates Location: A310	Workshop of the IGCP project 679 "Cretaceous Earth Dynamics and Climate in Asia" Location: C109
10:30am - 11:00am	Coffee Break Location: Foyer		
11:00am - 12:30pm	1b - Non-marine Cretaceous stratigraphy and terrestrial ecosystem Location: E001	Combined 5a - Cretaceous Larger Benthic Foraminifera & 5c - Unravelling the [...] significance of inoceramid bivalves & 5d - Cretaceous Invertebrates Location: A310	Workshop of the IGCP project 679 "Cretaceous Earth Dynamics and Climate in Asia" and Business Meeting Location: C109
12:30pm - 2:00pm	Lunch Break Available, for example, at the Mensa, Callinstrasse 23, 30167 Hannover. -> Payment only by debit or credit card		
2:00pm - 2:45pm	Plenary Talk: Lawrence Percival "To heat, or not to heat, that is the question: Cretaceous environmental crises and their links to climate change" Location: E001		
2:45pm - 4:00pm	Coffee Break Location: Foyer	Poster Sessions 4a, 4c, 4d & 4e, 5a & 5c & 5d, 5b, 5e & 5f, 5g, Workshop IGCP Location: Foyer	
4:00pm - 5:30pm	1b - Non-marine Cretaceous stratigraphy and terrestrial ecosystem Location: E001	3a - Cretaceous Environmental Benchmarks: Volcanism, Oceanic Anoxia and climate change Location: A310	
6:00pm	Meeting of the German Subcommission on Cretaceous Stratigraphy (SKS) Location: C109		

FRIDAY, 5 SEPTEMBER 2025

8:00am	Registration Location: Foyer	
9:00am - 10:30am	2b - Paleoeology, paleobiogeography and biostratigraphy of Cretaceous marine fossils... Location: E001	5g - Terrestrial flora evolution during the Cretaceous Location: A310
10:30am - 11:00am	Coffee Break Location: Foyer	
11:00am - 11:45am	Plenary Talk: Cinzia Bottini "The response of calcareous nannoplankton to paleoenvironmental changes: case studies from the Cretaceous" Location: E001	
11:45am - 12:30pm	2b - Paleoeology, paleobiogeography and biostratigraphy of Cretaceous marine fossils... Location: E001	5g - Terrestrial flora evolution during the Cretaceous Location: A310
12:30pm	Closing Ceremony with Awards Location: E001	

Site map

