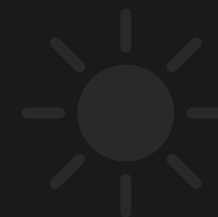


UTRECHT UNIVERSITY · DEPARTMENT OF EARTH SCIENCES

ICIW10

10th International Clumped Isotope Workshop



Utrecht, The Netherlands • 23–26 June 2026 • Koningsberger & Minnaert Buildings • 21 Talks · 3 Keynotes

Keynote Plenary Discussion Session 1 · Calibration & Standards Session 2 · Vital Effects & Dual Clumped Session 3 · Instrumentation & Gas-phase
Session 4 · Applications Session 5 · Triple Oxygen & Novel Archives

Tuesday 23 June 2026

17:00–19:00

ICIW Icebreaker

Welcome drinks for all conference participants

 [Botanical Garden](#)

09:00–09:20 **Welcome & Opening**
Opening remarks from the organising committee

09:20–10:00 **KEYNOTE**
A 20 Year Journey in Clumped Isotope Geochemistry at ETH
Stefano M. Bernasconi
ETH Zürich, Switzerland
30' talk + 10' Q&A

10:00–10:45 **SESSION 1**
Calibration, Reference Materials & Standardisation
Chair: Ziegler

10:00–10:15 TALK 1
Revisiting the Clumped Isotope to Temperature Calibration for Foraminifera
Vicki Taylor
University of Bergen, Norway

10:15–10:30 TALK 2
NeoCarb: Navigating the Transition to New Reference Materials
Mathieu Daëron
LSCE / CNRS, France

10:30–10:45 *Session Discussion*

10:45–11:15 Coffee Break

11:15–12:45 **SESSION 2**
Calibration, Vital Effects & Dual Clumped Isotopes
Chairs: Meckler & Fiebig

11:15–11:30

TALK 3

Using Dual Carbonate Clumped Isotopes to Assess Kinetic Effects in Foraminiferal Calcite

Amelia J. Davies

Goethe University Frankfurt, Germany

11:30–11:45

TALK 4

Clumped Isotope Analysis on Cultured Aragonite Bivalve Shells evaluates Applicability of Calcite Calibrations

Barbara Goudsmit

Utrecht University / NIOZ, Netherlands

11:45–12:00

TALK 5

What's in a Shell? Methods for Time-Resolved Sampling to Disentangle Climate and Physiological Signals in Bivalve Shells with Dual Clumped Isotopes

Allison N. Curley

Goethe University Frankfurt, Germany

12:00–12:15

TALK 6

Disequilibrium of Water Column and Sediment Carbonates in the Dual Clumped Isotope Record of Fayetteville Green Lake, NY

Hailey E. Germeau

University of Washington, USA

12:15–12:30

TALK 7

Investigation of Dual Clumped Isotope Fractionation Using Farmed Calcite on Curved Glass Plates

Peter K. Swart

University of Miami, USA

12:30–12:45

Session Discussion

 **Botanical Garden**

12:45–14:00

Lunch Break

14:00–17:00

Poster Session & Speakers Corner

17:00–18:00

Drinks Reception

09:00–11:00 **Poster Session & Speakers Corner**

11:00–12:00 **Breakout Sessions**
Carbonate reference materials: what comes after ETH-1/2/3?

12:00–13:00 Lunch Break

 **Koningsberger Building**

13:00–13:20 SPONSOR PRESENTATION
Nu Instruments

13:20–14:00 **KEYNOTE**
ULTRA 253: High-Resolution IRMS for Clumped Isotopologues
Daniel A. Stolper
UC Berkeley, USA
30' talk + 10' Q&A

14:00–15:15 **SESSION 3**
Instrumentation & Gas-phase Isotopologues
Chairs: Gilbert & Modestou

14:00–14:15 TALK 8
Semi-continuous automated δ^{147} Measurements of Atmospheric CO₂
Henrik Eckhardt
Utrecht University / University of Heidelberg

14:15–14:30 TALK 9
Constraining Nitrous Oxide Sources and Sinks with Clumped Isotopes
Paul Magyar
Empa, Dübendorf, Switzerland

14:30–14:45

TALK 10

Towards improved inter-laboratory compatibility of clumped-isotope measurements for low- δD biogenic methane

Naizhong Zhang

Empa, Dübendorf, Switzerland

14:45–15:00

TALK 11

Thermal Calibration of Methane Clumped Isotopologues: Methods and Multi-Dataset Results

Bibhasvata Dasgupta

Utrecht University, Netherlands

15:00–15:15

Session Discussion

15:15–15:45

Coffee Break

15:45–16:45

SESSION 4

Palaeoclimate Applications

Chairs: Goudsmit & Fernandez

15:45–16:00

TALK 12

Clumped isotope-based Reconstructions from Fossil Mollusc Shells: Constraining Seasonal Variations in Climate and Hydrology

Niels de Winter

VU Amsterdam, Netherlands

16:00–16:15

TALK 13

Applying coccolith clumped isotope thermometry to the past: a case study from the middle Miocene Climatic Transition

Alexander Clark

ETH Zürich, Switzerland

16:15–16:30

TALK 14

Clumped Isotope Constraints on Seawater Temperature and Isotopic Variability Across the Hirnantian Glaciation

Yangrui Guo

Guangzhou Institute of Geochemistry, CAS, China

16:30–16:45

Session Discussion

16:45–17:45

PLENARY DISCUSSION

Outcome of Breakout Groups — Standardisation

17:45

Transfer to City Centre

20:15

Conference Dinner

 [Carmel Market, Utrecht](#)

09:00–09:40

KEYNOTE

The Rise of Orbitrap-IRMS for Clumped Isotope Geochemistry

Amy E. Hofmann

Caltech / JPL, USA

30' talk + 10' Q&A

09:40–12:15

SESSION 5

Triple Oxygen Isotopes, Novel Archives & Reordering Kinetics

Chairs: Daëron & Bajnai

09:40–09:55

TALK 15

Why caring about precise notations and accurate triple oxygen isotope data?

Andreas Pack

University of Göttingen, Germany

09:55–10:10

TALK 16

Quantification of ^{17}O Fractionation during Phosphoric Acid Digestion of Carbonate between 25° and 110°C

Marie Pesnin

Ruhr University Bochum / University of Göttingen

10:10–10:25

TALK 17

Clumped and Triple Oxygen Isotope Constraints on Vegetation and Water-stress across Rift Landscapes of the Mid-Pliocene Lower Awash Valley, Ethiopia

Million A. Mengesha

University of Michigan, USA

10:25–11:00

Coffee Break

11:00–11:15

TALK 18

A novel dual inlet large radius IRMS for isotopologue measurement

Steven Guilfoyle

Sercon Ltd, Crewe, UK

11:15–11:30

TALK 19

The clumped isotope signatures of acid resistant carbonates reacted at 120°C with the new 'Nu React'

Inigo Müller

VUB, Brussels, Belgium

11:30–11:45

TALK 20

Precise Kinetic Parameters for Thermal Resetting of Clumped Isotope Signatures in Biogenic and Abiogenic Calcites

Nico Kueter

RWTH Aachen / ETH Zürich

11:45–12:00

TALK 21

Simulating Solid State Isotope Reordering of C–O Bonds in the Framework of Trigonal Carbonate Mineral: A Probabilistic Approach

Uri Ryb

Hebrew University of Jerusalem, Israel

12:00–12:15

Session Discussion

12:15–13:15

PLENARY DISCUSSION

ICIC — What's next?

What are the next big steps and challenges for the community?

13:15–13:30

CLOSING REMARKS

Announcing ICIW 11

 [Minnaert Building](#)

13:30–14:30

Lunch Break

 [Minnaert Building](#)

14:30-16:30

Add-on Session

Instrument user sessions

 [Koningsberger / Minnaert](#)