

Reinhard Kozdon, Lamont Assistant Research Professor

Lamont-Doherty Earth Observatory of Columbia University
61 Route 9W
Palisades, NY 10964

Phone: (845) 365-8619
email: rkozdon@ldeo.columbia.edu

Professional Preparation

Christian-Albrechts-Universität zu Kiel, Germany, Geology/Paleontology, **Diploma**, 2003.

Advisors: Prof. Dirk Nürnberg and Prof. Ralf Tiedemann.

Christian-Albrechts-Universität zu Kiel (GEOMAR), Germany, Geology/Paleontology, **Ph.D.**, 2007.

PhD advisors: Prof. Anton Eisenhauer and Dr. Mara Weinelt.

UW-Madison, Dept. of Geoscience, **postdoctoral researcher** (research associate), 2007 – 2010.

Postdoctoral advisor: Prof. John W. Valley.

Professional Experience

since 07/2015	Assistant Research Professor at the Lamont-Doherty Earth Observatory.
10/2014 – 06/2015	Assistant Research Professor, Rutgers University.
08/2010 – 10/2014	Assistant Scientist at the Department of Geoscience, University of Wisconsin-Madison.
08/2007 – 07/2010	Research Associate (postdoctoral researcher) at the Department of Geoscience, University of Wisconsin-Madison.
06/2002 – 07/2002	Student worker on the Russian research vessel 'Akademik M. A. Lavrentyev' (Sea of Okhotsk, Leg LV28) for sediment sampling, magnetic susceptibility measurements, and faunal analysis.

Laboratory and Instrumentation Experience

SIMS	CAMECA IMS-1280 (>10 years); instrument tuning, data acquisition, assistance of outside users and training of new operators.
Mass Spectrometry	Thermo Scientific TRITON T1 TIMS (~3 years), VG Elemental AXIOM ICP-MS (~3 years).
Laser Ablation ICP-MS	basic knowledge.
SEM	Hitachi S-3400N with SE, BSE, CL and EBSD detectors (>10 years).
EPMA	CAMECA SX51 (basic knowledge).
Thin section laboratory	Established laboratory at LDEO to prepare epoxy mounts and thin sections of biominerals for <i>in situ</i> analysis.

Select Honors and Awards

Keynote Speaker (invited)	Workshop <i>HiRes 2017</i> , Madison, Wisconsin, June 18 – 21, 2017: “ <i>In situ</i> analysis of foraminiferal shells by SIMS, LA-ICPMS and EPMA: What have we learned in the past decade? A résumé and outlook” (Keynote).
	Workshop <i>Searching for Tropical Zealandia</i> , GNS Science, Lower Hutt, New Zealand, March 28, 2017: “New approaches to reconstructing sea temperatures” (Keynote).

- Workshop *High-Resolution Proxies of Paleoclimate*, Madison, Wisconsin, May 31 – June 3, 2015: “Getting the big picture from a small spot: Multi-proxy, multi-instrument *in situ* measurements in foraminifera” (**Keynote**).
- Invited Speaker *EGGS Geology & Geochemistry Seminar Lecture Series*, Princeton University, October 2017: “Improving the veracity of paleoclimate records by imagery-correlated *in situ* analysis of foraminifera shells at the micron-scale”.
- International Conference on Paleoceanography (ICP 12)*, August 29 – September 2, 2016, Utrecht, The Netherlands: “Increased poleward flux of atmospheric moisture during the PETM deduced from paired *in situ* $\delta^{18}\text{O}:\text{Mg}/\text{Ca}$ analysis in planktic foraminifera”.
- Workshop: “*DeepMIP* Deep-time Model (and data!) Intercomparison Project”, January 2016, Boulder, Colorado: “Getting the big picture from a small spot: *In situ* measurements in foraminifera”.
- 2009 AGU Fall Meeting*, San Francisco: “Tropical Sea-Surface Temperatures for the Early Paleogene Climate: Ion Microprobe Analysis of $\delta^{18}\text{O}$ in Muricace of Planktonic Foraminiferal Tests”.
- EOS Research Spotlights (1) “A selective approach to draw data from altered foraminifera shells”; *Eos*, Vol 94, No. 45. 2013.
- (2) “Potential solution to the cool tropics paradox”; *Eos*, Vol 92, No. 41. 2011.

Professional Activities

- Journal Reviewer ACTA Palaeontologica Polonica, Climate of the Past, Earth-Science Reviews, Geochimica et Cosmochimica Acta, Geology, Journal of Micropaleontology, Paleoceanography; Nature Communications.
- Proposal Reviewer NSF, DFG
- Judge AGU – Judge for outstanding student paper award.
- Session Organizer Co-organizer of the session “*Beyond the dental drill: Advancing Paleoenvironmental proxies with high-resolution analytical techniques*” hosted at the Goldschmidt 2017 conference in Paris, France.