

# Cyclostratigraphy Newsletter, Sep. 2021

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Hello and welcome to the second Cyclostratigraphy Newsletter.

This is a quarterly update on all things cyclostratigraphy, including research initiatives, networking opportunities and job openings. If you want your cyclostratigraphy news included, don't hesitate to email. A special request: please send us your new cyclostratigraphy publications for the next issue. This newsletter has exciting news on the CycloAstro research collaboration, the launch of a dedicated cyclostratigraphy journal and several job openings.

Best wishes and enjoy!

Sietske Batenburg, sbatenburg@ub.edu

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## 1. The CycloAstro Project

The CycloAstro Project is a new collaboration between six main research institutes in the US that aims to investigate astrochronology and Solar System dynamics, whilst building inclusive, diverse, equitable, and just spaces in geoscience and astronomy. From the [website](#):

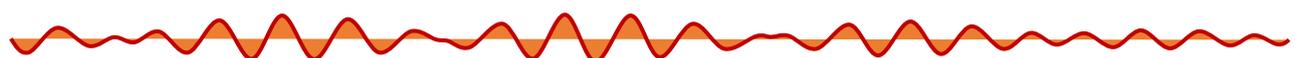


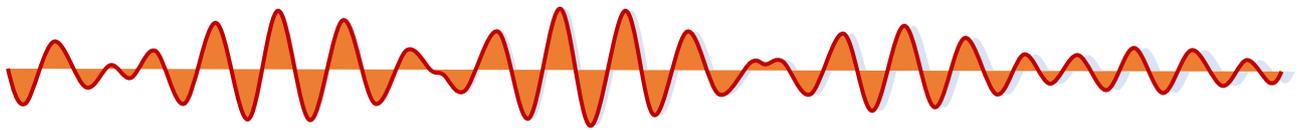
*“The CycloAstro Project integrates science from paleoclimatology, geophysics and astronomy with five research collaborations and an early career Inclusion, Diversity, Equity and Justice (IDEJ) program to trace Solar System evolution, Earth-Moon dynamics, and Earth’s paleoclimate system with state-of-the-art analysis and modeling. The goal of the project is to show how it is possible to acquire fundamental new empirical knowledge of Solar System dynamics and Earth system sensitivity from the sedimentary record that will allow tests of astronomical models and overcome a ~50-million-year-before-present (Ma) limit of predictability imposed by chaos.”*

What sets the project apart is the CycloCohort program, which aims to advance IDEJ and spans across the research projects from the recruitment phase to the interdisciplinary training of early career researchers and the completion of science objectives. The CycloAstro project has received funding to attract six post-doctoral researchers and six postgraduate students to work at the partnering universities: University of Wisconsin-Madison, Lamont-Doherty Earth Observatory, Yale University, UC Santa Barbara, University of Hawaii and George Mason University.

*“A central objective of the cohort program is the training and professional development of a diverse group of graduate students and postdocs, giving special attention to the recruitment and retention of early career scientists from underrepresented groups.”* The CycloCohort program is expected to cultivate *“a team of future leaders/collaborators in the study of Earth and Solar System history, and thought leaders in advancing inclusion, diversity, equity and justice”*.

For more information, have a look at the [job opportunities](#) and the [six projects](#) within CycloAstro.





## 2. Launch of the journal *Cyclostratigraphy and Rhythmic Climate Change*

Interest in cyclostratigraphy has increased significantly in recent years. To further bring the community of researchers working on the rhythmic nature of Earth's climate and depositional environments together, a dedicated international, peer-reviewed journal is created.

It is a great pleasure to announce that the new journal **Cyclostratigraphy and Rhythmic Climate Change** is now live! The [journal website](#) launched this month and the editorial team welcomes contributions.



### *Cyclostratigraphy and Rhythmic Climate Change*

The journal has an expert team of associate-editors from geographically widespread scientific communities, covering the breadth of our diverse field of research as provided in the [Mission Statement](#):

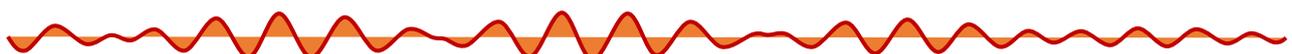
*“Cyclostratigraphy and Rhythmic Climate Change (CRCC) is an international open access peer-reviewed online journal (using DOI) publishing original research articles focused on cyclostratigraphic records, orbital, sub-orbital or seasonal records of climate change, astrochronology and integrated stratigraphy with a cyclostratigraphic component. There is no restriction on geological time or palaeogeographic origin and we welcome theoretical issues on the expression of climate cycles in the Geological record and astronomical models of climate change, as well as issues on the development of new analytic tools for cyclostratigraphy.*

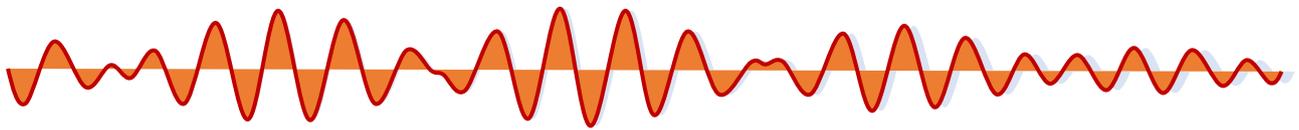
*The detailed scope of the journal includes, but is not limited to, orbital and seasonal expression of climate change on Earth and other planets (e.g. Mars), in marine and continental settings, in sediments or ice cores, varve chronology, improvements of the Geologic Time Scale, orbital configuration across major environmental perturbations in Earth's history, influence of orbital climate change on carbon and other geochemical element cycles, links between orbital configuration and seasonal climate change, astronomical time scales, changes in tidal dissipation and day-length over time, or orbital influence on sea-level change.”*

CRCC is hosted by the new and innovative academic publisher [OPSCIDIA](#), which enables the journal to publish all its content as open-access and free-of-charge. The journal and publisher aim to have the journal listed in all relevant indices after the first year. At present, articles can be submitted and processed through the dedicated website, following the format specified in the notes to authors. After acceptance, papers will be deposited as open online archives and assigned a DOI for permanent access.

Thank you for considering **Cyclostratigraphy and Rhythmic Climate Change**. We warmly invite you to contribute and we welcome short and long original manuscripts as well as review papers.

The [editorial team](#)





### 3. Conferences and workshops

The following upcoming meetings have sessions on cyclostratigraphy and astrochronology:

The **GeoKarlsruhe 2021**, 19–24 September (online), will have a dedicated session:

[Session 5.1](#) The imprint of astronomical climate forcing: geochronometer and paleoclimate archive

The **Réunion des Sciences de la Terre**, 1–5 November 2021, Lyon, France is scheduled to take place in-person, and has several [sessions](#) of interest, including:

T14.1 Stratigraphie intégrée - Temps géologique - Calibration astronomique

The **AGU fall meeting 2021**, 13-17 December 2021, will have a hybrid format of in-person and on-line activities, with registration opening 1 September.

Session [122638](#): Cyclostratigraphy and Astronomical Forcing of Earth's Paleoclimate System

**AGU FALL MEETING**

New Orleans, LA & Online Everywhere  
13–17 December 2021

### 4. Job/Research Opportunities

A [PhD position](#) on Cambrian cyclostratigraphy at the University of Lausanne, Switzerland is open for applications until 13 September.

Within the CycloCohort program (see above), [job opportunities](#) include six PhD and six Post-doctoral positions in Astrochronology, Solar System Dynamics and Inclusion, Diversity, Equity and Justice. The first opening of applications is until 15 September.

A [Post-doc position](#) is open at Durham University, UK, to bring together fossils and stratigraphy to time the pace of the Cambrian explosion, closing date: 20 September.

[Two expeditions](#) of the International Ocean Discovery Program (IODP) are open for applications to sail as shipboard scientist. Please consult the pages of the [member offices](#) on how to apply.

### 5. Recent publications

Next issues of the newsletter will include a list of recent publications. If you have a new cyclostratigraphy study that you would like to distribute amongst the community of this newsletter, please send it in!

(provide a link with an introductory sentence; currently amassing all 2021 publications)

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Feel free and encouraged to distribute this newsletter further. If you know of conferences, workshops, job opportunities, or if you would like to share other news related to cyclostratigraphy, please do not hesitate to email. Subscribe or unsubscribe from this newsletter by writing to [sbatenburg@ub.edu](mailto:sbatenburg@ub.edu). The newsletter will be available for download on [www.cyclostratigraphy.org](http://www.cyclostratigraphy.org).

