



COMPUTATIONAL INFRASTRUCTURE for GEODYNAMICS

Community-driven
organization advancing Earth
science by developing and
disseminating software for
geophysics and related fields.

2023 CIG Annual Business Meeting

13 December 2023
5:30-7:30P
SPIN



SAN FRANCISCO
— CALIFORNIA —

Agenda

PST



5:45 Mini Learning Opportunity

- Publishing -

Rene Gassmoeller

6:00 State of CIG

Lorraine Hwang

Election Results

What's New

6:15 Discussion

Presentation: Gabriele Morra

Moderator: Rene Gassmoeller

Staff



Co-Directors

Bruce Buffet

Lorraine Hwang

Technical Lead

Rene Gassmoeller

Project Scientist

Moh Gouiza

Software Community Leaders

Brad Aagaard, Wolfgang Bangerth, Juliane Dannberg,

Nicholas Featherstone, Menno Fraters,

Rene Gassmoeller, Anne Glerum, Timo Heister,

Matt Knepley, Bob Myhill, John Naliboff,

Daniel Peters, Carl Tape, and Charles Williams

subawardee



other support

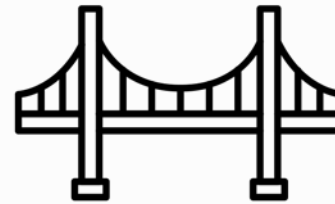


Elections

Thanks to
outgoing
members:
EC: Alice
Gabriel
SSC: Ebru
Bozdag &
Sylvain Barbot

Executive Committee

*Brad Aagaard, **Alice Gabriel**,
Louis Moresi, Marc Spiegelman,
and Phaedra Upton*



Science Steering Committee

*Sylvain Barbot, Peter Driscoll, Adam Holt,
Harriet Lau, **Qinya Liu**, Dave May,
Elvira Mulyukova, and Emmanuel Njinju*



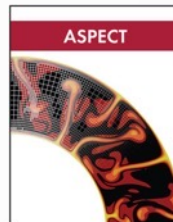
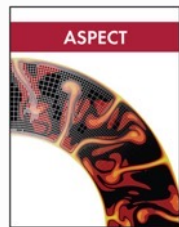
Community Code Contribution

What's
New
2023



**NEW WORKSHOP • Crafting Quality Research Software
and Navigating Publication in Software Journals**

Execution Server



Contact us for contribution your
notebook or tutorial.

Guidance

Software >

Best Practices >

Publishing



Publishing: Software & Data

CIG
Community
Software



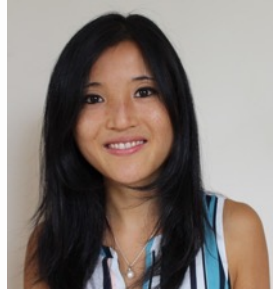
✓ 2024 • Discussions on discovering model data

What to Deposit

Repositories

Examples

What's
New
2024



Distinguished Speakers **Evolving Solid Earth Dynamics as a Trigger for the Mid Pleistocene Transition**

Harriet Lau, Brown University

Rutgers University ◆ New Mexico Tech
University of Arizona

Origin of Moons in the Solar System and Beyond

*Miki Nakajima, University of
Rochester*

Michigan State University
Western Michigan University
University of Buffalo



Nominate a Speaker for 2024-2025 – Deadline February 28

Events



2024 Events

February 6-7: ASPECT User Meeting

February 12-16: Geodynamic World Builder Hackathon registration open

April: SPECFEM Developer and Users Workshop

May 28 - June 7: ASPECT Hackathon

June 10-14: Crustal Deformation Modeling Tutorials

Summer: Rayleigh Hackathon

TBD: Navigating Publication in Software Journals

?? Other ??

Collaborations or Sponsor

April 29 – May 3: Seismological Society of America

September 1-6: Ada Lovelace Workshop

Fall: IMAGinING RIFTING Workshop



Webinars

Outreach>Webinars



The Path to Model Interoperability in Geodynamics

| | |
|-------------|---|
| February 8 | Robert Moucha, <i>Syracuse University</i> |
| February 22 | Cedric Gilman, <i>ETH Zurich</i> |
| March 14 | Matthew Hoffman, LANL |
| March 28 | - spring break - |
| April 11 | Frank Zwaan, <i>GFZ Potsdam</i> |
| April 25 | I. Thomas Frasson, <i>Université Grenoble Alpes</i> II. Daniele Thallner, <i>University of Florida</i> |
| May 9 | Thomas Theunissen, <i>University of Bergen</i> |
| May 16 | Bernhard Schuberth, <i>Ludwig-Maximilians-Universität München (LMU)</i> |

***** NEW TIME *****
THURSDAY • NOON PT

Communications



Forum

Announcements and code support:
community.geodynamics.org

About Us

> Submit Ticket: General help and questions

> Contact Us

> Travel Reimbursements

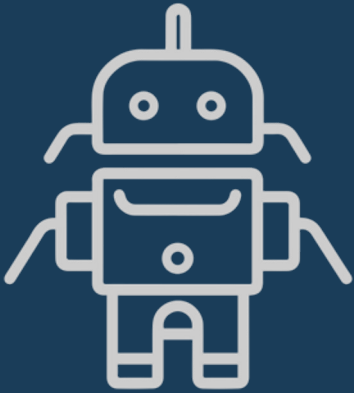
> Collaborating

Focus on: Best practices in software, workflows, interoperability & new ideas



Discussion

Gabriele Morra



Moderator:
Rene Gassmoeller



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Happy Holidays



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