SIAM Activity Group on Geosciences Business Meeting 2021

- Thanks to organizers and hosting organization
- Introduction of current officers
- Thanks to previous officers
- Announcements: Discussion/introduction of SIAM Engage, websites, leadership suggestion form
- SIAG/GS Fellows 2020 & 2021 announcements
- Update on current attendance, 630 as of June 21, 2021 – New record attendance, reverses negative trend from 2019
- 2021 Conference co-chairs, organizing committee, and local organizing committee – Thank you for their work in a challenging time
- Prize presentation info for SIAG/GS Career Prize to Malgorzata S. Peszynska and SIAG/GS Early Career Prize to Wietse Boon.
- Next conference in 2023, decided to hold it in Europe. Call for interest sent 9 April, one full application sent by University of Bergen, Norway for 19-22 June, 2023. Application is being considered by SIAM and details will be posted when outcome is determined.
- Details about SIAM AN21
- Details about membership benefits
- SIAG/GS Membership Report
  - One of smaller activity groups, but membership is stable
  - Ratio of students is rather low, so please discuss free SIAM memberships with your students
  - Also suggest that students explore starting student chapters
  - Membership by gender shows a larger share of participation by women amongst students
  - Members are often employed by Academia, but there is a significant number of non-academic members
- Other Business
  - Should we form a chapter at Bergen?
  - Question about student chapters – are they at a university or by a subject for all students in the SIAG?
    - TF mentioned that chapters are usually at a university or group of universities, but we can discuss other options
  - Sorin Pop – We should start thinking about the next slate of candidates, could discuss new names for officers for the next election while people are active at the conference
    - Masa Prodanovic requested that people volunteer to be part of the next scientific committee for the upcoming conference
2021 SIAG/GS

SIAM Conference on Mathematical & Computational Issues in the Geosciences

Geosciences Business Meeting
SIAM Conference on Mathematical & Computational Issues in the Geosciences (GS21)

Online Conference, June 21-24, 2021

https://www.mate.polimi.it/siamgs21/
SIAG/GS Officers

Chair:
Inga Berre

Vice Chair:
Vladimir Druskin

Program Director:
Masa Prodanovic

Secretary:
Chris Kees
Thank you to all 2019/2020 Officers

Chair:
Beatrice Riviere

Vice Chair:
Marc Hesse

Program Director:
Youssef Marzouk

Secretary:
Inga Berre
SIAG/GS Announcements

- SIAG/GS websites:
  - https://www.siam.org/membership/activity-groups/detail/geosciences
- SIAM Blogs/SIAM News: story ideas
- SIAG/GS News Liaison: Talea Mayo
- SIAG/GS Leadership Suggestion Form:
  - https://www.siam.org/forms/siam-activity-group-leadership-form
SIAG/GS Fellows

Class of 2020

Knut-Andreas Lie

Olaf Schenk

Class of 2021

Beatrice Riviere
SIAG/GS Conference History

2001, Boulder, CO
2003, Austin, TX
2005, Avignon, France
2007, Santa Fe, NM
2009, Leipzig, Germany
2011, Long Beach, CA
2013, Padova, Italy
2015, Stanford, CA
2017, Erlangen, Germany
2019, Houston, TX
2021, Milan, Italy

242
255
270
285
347
351
444
425
446
361
630
SIAG/GS Conference 2021

Organizing Committee Co-Chairs

Luca Formaggia, Politecnico di Milano, Italy
Youssef Marzouk, Massachusetts Institute of Technology, U.S.

Organizing Committee

Yalchin Efendiev, Texas A&M University, U.S.
Patrick Heimbach, University of Texas at Austin, U.S.
Kayo Ide, University of Maryland, U.S.
Stefano Mantica, Eni S.pA, Italy
Ludovic Metivier, CNRS, Université Grenoble Alpes, France
Insa Neuweiler, Universität Hannover, Germany
Malgorzata Peszynska, Oregon State University, U.S.
Geraldine Pichot, INRIA, France
Georg Stadler, New York University, U.S.
Jay Verhoef, National Oceanic and Atmospheric Administration, U.S.

Local Organizing Committee

Paola Antonietti
Lucia Bonaventura
Alessio Fumagalli
Ilario Mazzieri
Alessandra Menafoglio
Edie Miglio
Anna Scotti
Paolo Zunino
SIAG/GS Conference 2021

SIAG/GS Career Prize
Malgorzata S. Peszynska

SIAG/GS Early Career Prize
Wietse Boon

SIAG/GS Career and Early Career Prize Presentations and SP1 SIAG/GS Early Career Prize Lecture
Tue, June 22, 3:50 PM (Central European Summer Time (UTC+2))

SP2 SIAG/GS Career Prize Lecture
Wed, June 23, 3:25 PM (Central European Summer Time (UTC+2))
Next SIAG/GS conference?

- As SIAM GS 2021 is fully virtual, the SIAM officers have in agreement with SIAM decided that the 2023 edition of the conference should be held in Europe.
- Call for expressions of interest sent 9 April.
- One full application submitted by the University of Bergen, Norway
- Proposed dates: 19–22 June, 2023
Held Jointly with:

- Conference on Applied and Computational Discrete Algorithms (ACDA21)
- Conference on Control and Its Applications (CT21)
- Conference on Discrete Mathematics (DM21)
- Conference on Optimization (OP21)

Tracks of Sessions by SIAM SIAGs:

- Mathematics of Planet Earth
- Nonlinear Waves and Coherent Structures

Pre-registration Deadline:
- July 5th, 2021

Travel Fund Application Deadline:
- June 21, 2021
  - Awards will be applied as a waiver of registration fees

Virtual Format:
- Originally scheduled for Spokane, Washington. This conference will be fully virtual on the originally scheduled dates.

More information available at:
https://www.siam.org/conferences/cm/conference/an21
Join SIAM Today!

Benefits of SIAM Membership Include ..........

- SIAM Review (Print & Electronic)
- SIAM News (Print)
- 30% Off SIAM Books
- $15 / Activity Group Membership
- 20% - 30% Off Registrations
- 80% Off Journals (up to 4)
- 95% Off e-Access to Journals
- Spouse may join as Associate Member

- SIAM Unwrapped
- Vote in SIAM Elections
- Eligible to Hold Office
- Eligible for Committee Appointments
- Nominate SIAM Fellows
- Be Nominated as a SIAM Fellow
- Nominate 2 Students for Free Membership
- Eligible for Group Insurance
2021 SIAG/GS

Membership Report

(data as of December 31, 2020)
SIAG Overall Membership

Free Student Memberships

Benefits of free student membership are the same as for regular student members, except free student members are not eligible to vote in SIAM elections and receive SIAM Review only in electronic format. How to Join:

- **SIAM Student Chapter**
  Members of SIAM student chapters are eligible to receive free student memberships. Chapter members can join online or complete an application form.

- **Academic Member**
  Graduate students (Master’s and Ph.D. candidates) attending a SIAM Academic Member Institution can join SIAM for free. These memberships can be renewed for up to six years as long as the member remains a student at an eligible school.

- **Get Nominated**
  Any SIAM Regular Member in good standing can nominate up to two students per year for membership to SIAM. It’s quick, easy, and could change your student’s future.

https://www.siam.org/membership/join-siam/individual-members/student
SIAG/GS Membership Demographics

- **Student**: 163 (36.5%)
- **Nonstudent**: 284 (63.5%)
SIAG/GS Membership Demographics
### SIAG/GS Membership by Geography

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>Non-US</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nonstudent</strong></td>
<td>172</td>
<td>112</td>
<td>284</td>
</tr>
<tr>
<td>Nonstudent</td>
<td>38.5%</td>
<td>25%</td>
<td>63.5%</td>
</tr>
<tr>
<td><strong>Student</strong></td>
<td>112</td>
<td>51</td>
<td>163</td>
</tr>
<tr>
<td>Student</td>
<td>25%</td>
<td>11.5%</td>
<td>36.5%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>284</td>
<td>163</td>
<td>447</td>
</tr>
<tr>
<td>Total</td>
<td>63.5%</td>
<td>36.5%</td>
<td></td>
</tr>
</tbody>
</table>
SIAG/GS Membership by Gender

**Nonstudents**
- Male: 225 (79.2%)
- Female: 51 (18.0%)
- Not Indicated: 6 (2.1%)
- Prefer Not to Disclose: 2 (<1%)

**Students**
- Male: 101 (62%)
- Female: 168 (31.9%)
- Not Indicated: 7 (4.3%)
- Nonbinary: 2 (1.2%)
- Prefer Not to Disclose: 1 (<1%)
SIAG/GS Membership by Employer Type

- Academia: 187 (75.7%)
- Industry: 28 (11.3%)
- Laboratory: 21 (8.5%)
- Government: 8 (3.2%)
- Other: 3 (1.2%)
SIAG/GS Membership by Department Type

- Mathematics: 67 (58.3%)
- Engineering: 23 (20%)
- Physics: 1 (<1%)
- Other: 1 (<1%)
- Other (Phys Sci): 17 (14.8%)
- Statistics: 3 (2.7%)
Other Business
Contacts

Chair  Inga Berre
       inga.berre@uib.no

Vice Chair  Vladimir Druskin
            vdruskin@gmail.com

Program Director  Masa Prodanovic
                  masha@utexas.edu

Secretary  Chris Kees
           cekees@lsu.edu