

SIAM Activity Group on Geometric Design

Business Meeting

July 11, 2017

David Lawrence Conference Center, Room 407

Pittsburgh, Pennsylvania, USA

Time: 7:35-8:10 pm

Attendance: approximately 30

Activity Group Officers:

Chair: Kai Hormann (present)

Vice Chair: Heidi E.I. Dahl (unable to attend)

Program Director: Carolina Vittoria Beccari (present)

Secretary: Bonita V. Saunders (present)

SIAM representative in attendance: Tim Fest, Membership Manager

Note: The meeting slides along with these minutes represent the complete report of the SIAG/GD Business Meeting.

The Chair thanked the previous officers and the GD17 conference organizers for their hard work.

Announcements:

-Members were encouraged to share information of interest to SIAG/GD members via the electronic mailing list siam-gd@siam.org which is moderated by the Chair and Secretary.

- The revival of the SIAG/GD website is under review by the officers. The SIAM template is being requested from Tim Fest, SIAM Membership Manager as a starting point.

- Members were encouraged to present story ideas for SIAM News or post short essays to SIAM Blogs.

SIAM/SIAG GD Fellows:

It was noted that there was one SIAM Fellow from SIAG GD in 2016 (Chandrajit Bajaj), but none from our SIAG were nominated for the current class of 2017. Members were encouraged to

submit nominations for the class of 2018 before the deadline of November 1, 2017. Tom Grandine is chair of the canvassing committee for the awards and asked that the nominations be sent to him. He said he could answer questions members may have about the nomination process.

SIAG/GD Conference Registration Decrease:

Possible reasons for the huge drop in the number of registrants for GD17 (75 pre-registrants) versus previous conferences (140 in Salt Lake City (2015) and 149 in Denver (2013), for example) were discussed. The Chair said he received comments that the switch from October to July conflicted with vacation and other travel plans. Also, the closeness to the date of the Symposium on Solid and Physical Modeling (SPM 2017) held in June meant that researchers, especially those outside of the US, had to choose which to attend.

Next Conference - GD19:

It was proposed that the next conference be co-located with the following well known Geometry and Modeling Conferences as part of the 2019 Geometry Summit:

GMP - Geometric Modeling and Processing Conference,

SPM – Symposium on Solid and Physical Modeling, and

SMI - Shape Modeling International.

The Geometry Summit was held for the first time last year (2016) in Berlin. The proposed location for the 2019 event is in Vancouver in June. One business meeting attendee said that it was conceptionally a good idea, and the overall response from those present was very positive. An organizing committee will be announced at a later date.

SIAG/GD Membership:

Graphs in the SIAG/GD Membership Report indicate that our SIAG is growing but is currently the smallest SIAG in size. The Chair pointed out that SIAM members can nominate two students for free membership. He said if everyone nominated two students and encouraged them to join our SIAG (also free), our membership would increase tremendously.

One attendee suggested we also point out that students can receive travel support. Tim Fest agreed but also noted that they do not have to be SIAM members to receive support.

Future Plans:

The Chair proposed several ideas designed to increase the visibility and scope of SIAG/GD.

- Early career prize – Prize would honor young members of SIAG/GD. Travel costs would be handled by SIAM.

- John A. Gregory Award – The proposal is to move this award to SIAG/GD. This is considered the highest award in the field of Geometric Modeling and Design, honoring one or more individuals who have made fundamental contributions to the field. This would require a financial endowment of \$5,000 - 10,000 from one or more private sponsors every two years.
- New topics for SIAG/GD – Place focus on additional areas to broaden the scope of SIAG/GD. Some of these could be incorporated into the next charter.
 - 3D printing
 - IGA
 - Other suggestions – Please send emails to SIAG/GD officers.
- Collaboration with SIAG/AG – SIAG/AG has expressed a desire to become closer to our group. The Chair suggested that we support them, organize minisymposia at their conferences and invite them to do the same at ours.
- SIAGA Journal - We are encouraged to submit articles to the new journal, SIAM Journal on Applied Algebra and Geometry. Several active members of our community are on the editorial board, including Ron Goldman, Tom Grandine, and Helmut Pottmann.

Meeting scribe: Bonita V. Saunders