

# p.a.m. Bulletin

V47(1) August 2019

News for the Physics-Astronomy-Math Division of SLA

## Table of Contents

Message from the Chair .....	1
Astronomy Roundtable Summary .....	2
Mathematics Roundtable Summary .....	4
Physics Roundtable Summary .....	4
Vendor Update Summary .....	6
PAM 2019 Business Meeting Minutes.....	7
2019 Treasure's Report .....	11
Future of PAM Task Force .....	11
2019 PAM Achievement Award .....	12
2019 PAM Division Award.....	13
Members' Corner.....	14

## Message from the Chair

**John Kromer**

Greetings from hot and sunny Arizona, PAMily!

It was great to see so many of you in Cleveland in June! I want to take a moment to once again thank all of our sponsors. Without you, we wouldn't be able to have such a great conference experience. So here is a big thank-you to the sponsors who make our travel awards, programming, and PAM Bulletins possible: AAAS; ACM; AIP Publishing; AMS; Annual Reviews; APS; Cambridge University Press; Duke University Press; EDP Sciences; IOP Publishing; OSA; Project Euclid; SIAM; SPIE Digital Library; and World Scientific Publishing Co., Inc. I want to extend special thanks to Sharice and Kathy from IOP for once again providing us with the PAM Suite Daily Retreat to get away from the hustle and bustle of the educational sessions and the INFO-EXPO. And I especially want to thank Margaret Lam and Mea Warren, our Fundraising Co-Chairs, for making sure that every session was fully sponsored this year. Thank you to everyone!

Thank you also to our session moderators: Joy Painter and Travis Warwick with the Vendor Update, Meg Eastwood and Donna Thompson

Editor: [Emily Poworoznek](#)

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The P.A.M. Bulletin is published quarterly in February, May, August, and November.

with Listen to the Stars: Astronomy Roundtable, Khue Duong and Lauren Gala with the Mathematics Roundtable, and Laurie Neuerberg and Andy Shimp with Making Science Relevant: Physics Roundtable. A special shout-out to Laurie and Andy, because their session was named a Best of SLA presentation and will be presented again sometime later this year as an SLA-wide webinar!

Thank you to the Hospitality Committee: Kathleen Lehman (Chair), Ted Baldwin, Mark Chalmers, and Zary Kamarei for putting together an excellent suite of social events during the conference. The Early Bird Dinner at Taza Lebanese Grill, the PAM Open House Reception, the Last Night Dinner at Pho Thang Café (special thanks to Laura Palumbo), and the PAM Tour at the Rock 'n' Roll Hall of Fame.

The annual conference really is a team effort, and I want to thank everyone who played a part in making it successful, not just those whom I named in this post. And once again, thank you all for the trust you placed in me in leading the division this year!

With all of that being said, there are some serious issues to be discussed. We learned at this year's conference that SLA is in serious financial trouble, and there is a proposal being circulated about restructuring SLA units (chapters, divisions, and caucuses). In light of these developments, it was proposed at the annual Business Meeting to re-convene the Future of PAM Task Force to determine how we as a division want to proceed. Look for more information on the Task Force later in this issue of the PAM Bulletin.

## **Astronomy Roundtable Summary**

### **Meg Eastwood & Donna Thompson**

Our 2019 Astronomy Roundtable focused on accessible astronomy. Dr. Wanda Diaz-Merced, a postdoc working with the Office for Astronomy Development who also happens to be the world's only practicing blind astronomer, joined us via video conferencing software. She was unable to join us in person because she was in Vienna presenting to the United Nations about accessible science. Due to connection issues, we were only able to hear Dr. Diaz-Merced speak briefly -- when we were unable to establish a clear connection, we went to 'Plan B' and watched [Dr. Diaz-Merced's TED talk](#).

Dr. Diaz-Merced, in addition to her own research, is also working with our second speaker, Dr. Kathy Eastwood, to create college-level curricula for teaching astronomy to blind students. Currently, most practicing scientists who are blind lost their sight after they had completed much or all of their education. Dr. Diaz-Merced and Dr. Eastwood want to ensure that all students have the opportunity to learn astronomy through accessible curriculum. Dr. Eastwood, Professor Emerita at Northern Arizona University, was able to join us in person to demonstrate their CARDIS (Coordinates and Relative Dimension in Space), a tactile representation of 3D coordinate planes that helps students -- both visually impaired and sighted -- understand a variety of math concepts, from surface area and volume all the way to advanced 3D calculus. They designed the CARDIS to be easily assembled from readily-available, low-cost materials, in hopes

that it can be recreated in classrooms across the world.

Our third and final speaker, Julie Steffen, Director of Publishing for the American Astronomical Society (AAS), shared the AAS' recent work to make their content more accessible to all. Since content published by AAS is hosted on partner sites, AAS is working with IOP Publishing and eJournalPress to enhance the accessibility of existing content -- they want to meet level AA compliance as defined by the [Web Content Accessibility Guidelines \(WCAG\)](#). AAS is also working to ensure all new content is accessible from the start -- they hired an accessibility consultant called Nomensa to create an Editor Accessibility Training for their journal editors, and their AAS data scientists are brainstorming ways to create more accessible data visualizations.

We ended the session by discussing and brainstorming ways we can integrate accessibility into our own work, from data visualization to acquisitions decisions and more. For example, do you ask to see a VPAT (Voluntary Product Accessibility Templates) before licensing a new electronic resource? Do you include alternative text for images on your

LibGuides and library website? It's much easier to make documents accessible when you consider accessibility from the start -- so check out these recommended resources to get started:

Lin, Jamie. 2018. Designing for Online Accessibility. An online course created for a presentation at SLA 2018. <http://tinyurl.com/sla2018-accessibility>

Sukhai, M., & Mohler, C. 2017. Creating a Culture of Accessibility in the Sciences. Elsevier Academic Press, Amsterdam. 344p. ISBN 978-0-12-804037-9

VPAT Repository: Library vendors' Voluntary Product Accessibility Templates and related documentation. <https://vpats.wordpress.com/>

WebAim -- <https://webaim.org> -- Advice and training for creating accessible materials. Includes:

The WAVE (web accessibility evaluation) tool for evaluating your site(s) at <http://wave.webaim.org/>, and

The Color Contrast Checker at <https://webaim.org/resources/contrastchecker/>



Dr. Eastwood demonstrates the CARDIS.

# **Math Roundtable Summary**

**Khue Duong & Lauren Gala**

Sponsored by the American Mathematical Society, the PAM Mathematics Roundtable included three speakers discussing various aspects of publishing open access mathematics literature.

Nick Gurski, Assistant Professor of Mathematics at Case Western Reserve University, shared his experiences both as a mathematician publishing their own research and as an editor for the open access mathematics journal, Compositionality.

Next, Kivmars Bowling, Publications Director, SIAM (Society for Industrial and Applied Mathematics), provided an overview of SIAM's support of OA publishing and explained the intricacies of the Plan S mandate and the Projekt DEAL agreement. He then discussed some of the challenges associated with OA funding policies that SIAM and other independent societies face while continuing their commitment to publishing quality and lower-cost mathematics literature.

Robert Harington, Associate Executive Director, Publishing, American Mathematical Society, shared information about the openness of the AMS publication program, which provides financial assistance to the society's activities. He also spoke about external pressures related to OA, the sustainability of publishing high quality work, and supporting the mathematics community. The panelists addressed a number of questions from the

engaged audience throughout the session. Some of the speakers' notes and slides can be found online here:

<https://github.com/kduong09/mathRoundtable>

# **Physics Roundtable Summary**

**Laurie Neuerburg  
& Andy Shimp**

This year's Physics Roundtable, sponsored by Annual Reviews, centered around "Making Science Relevant." Sometimes it is difficult to make a connection between scientific knowledge and how it relates to everyday life. Science librarians are also familiar with the challenge of making science information seem relevant. For the roundtable, we assembled speakers who shared how they make scientific topics accessible and relevant to an audience of students and non-specialists. Topics of interest included methods for engaging non-scientists in scientific discussions, encouraging scientific thinking, and active learning techniques to explore scientific concepts. We were pleased to have an engaged audience who contributed to the conversation.

According to SLA, the session was one of the highest rated sessions of the conference, based on attendee feedback. We were invited to present this session again as part of the Best of SLA online learning series. The series consists of the top-rated sessions from the conference in webinar form and provides an opportunity to those who could not attend the annual conference, or could not attend every great session, to experience the best conference ses-

sions as online learning programs. Please watch for an announcement about the date.

Our first speaker was Mano Singham, a theoretical physicist, now retired, who served as director of the University Center for Innovation in Teaching and Education at Case Western Reserve University. His research interests are in theoretical nuclear physics, theories of knowledge, and the history and philosophy of science. His fourth book, *The Great Paradox of Science: Why its theories work so well without being true*, will be published this year by Oxford University Press. Mano used his talk to question the premise of topic: is making science relevant the most important thing? He encouraged instructors to reverse the typical model by using the content to encourage students to realize the need to learn the necessary skills. He noted that there is no single good teaching method. He provided principles for good teaching, including establishing a rapport with students and spending classroom time to stimulate interest by going below the surface to help students see the big picture.

The next speaker was Alison Ricker, Head, Science Library, Oberlin College. Alison titled her presentation “Science for the People” and centered her talk on making the science library a welcoming place for exploration. She discussed the importance of visibility and physical space, including getting the attention of students with a popular science nook and new journal displays. Since student use of the collection is driven by course work, she spoke about working with a faculty member to develop relevant instruction tied to course content. Beyond course work, Alison noted events sponsored by the library, including a Citizen Science Day Wikipedia Edit-a-thon, and out-

reach via social media. She concluded with the importance of being visible on a personal level.

Our final speaker was Joseph Connolly, an Aerospace Engineer in the Intelligent Control and Autonomy Branch at the NASA Glenn Research Center. In this position, Joseph serves as a discipline lead for propulsion controls under the Advanced Air Transport Technology (AATT) project. His presentation began with an overview of the exciting projects at NASA, all of which are highly engaging and attract a lot of attention from the general public. He spoke next about connecting science, technology, engineering, and mathematics to Native beliefs, and talked about how NASA has worked with tribal college students to create BisonSat, a CubeSat satellite that gathers data about the Flathead Indian Reservation. Joseph shared several stories about indigenous peoples involving STEM, and he explained to us that we can share these stories as well. He told us that NASA creates videos and other materials that showcase diversity at NASA, and he encourages us to request these materials from NASA so that we can celebrate and pass on these stories to our library users, students, clients, and future researchers. To close out his presentation, he talked about the necessity for working together, how diversity makes us all into a stronger whole, and that “This is a time to challenge ourselves to understand each other.”

Copies of the presentations are available at the SLA 2019 Annual Conference site.



# **Vendor Update**

## **Summary**

### **Travis Warwick & Joy Painter**

**Kim Steinle, Library Relations and Sales Manager, Duke University Press**

DUP has been growing its collections for 80 years, Project Euclid has been growing since 2008. New marketing website can be found at <https://www.dukeupress.edu/Information-For/Mathematics-Authors-Editors> .

With Steve Coen's retirement Dean Smith (from Cornell) will be taking over as Director of DUP on July 1st, 2019. Beginning with volume 63, the Illinois Journal of Mathematics is now being published by DUP and is included in the Euclid Prime Collection. IJM has been behind schedule for some time, so all of 2018 was published in a single volume.

The Head office of Duke Journal of Mathematics will be moving back to Duke (from UNC). Tusi Mathematical Research Group moving to Springer in 2020. Past content for their three titles AFA, BJMA, and AOT will remain available through a Euclid Prime subscription.

African Journal of Applied Statistics will be joining the Euclid Prime collection beginning in 2020. Preview access is available now. Euclid Prime has expanded its partnership with eIFL, providing free or low cost access to developing countries.

Platform updates: KBART files are now available on the Librarian tools page, and

Counter 5 reports will be available later this summer (beginning with January 2019 data).

There was some discussion of the Duke/MSP/ Euclid partnership. Mathematical Sciences Publishing is available (at a 7% higher price) on the Euclid platform. This combines MSP's strong collections with the robust features of Euclid and DUP. Turnaways on one platform are invited to visit the alternate site. The MSP engineering titles are not available on the Euclid platform. Euclid would be happy to partner with the European Mathematical Society as well, but no plans currently exist.

**Matthew Salter, Publisher, American Physical Society**

APS is evolving the physical review journals as part of the 2019 strategic plan. A new governance plan puts journals front and center in the mission. A high level pillar of the plan is "ensuring a meaningful role in Scientific research dissemination." Utilizing a history of truth and integrity. APS is speaking out on many issues related to diversity, inclusion, and respect.

Currently working to diversify the APS publishing footprint to reflect the evolution of physics. Similar to 1970 when PR split into sections A-D, because the volumes were too big to properly bind. The boundaries between sections is becoming blurred, and APS is creating more topical titles to meet the needs of current researchers. A title new in 2019, Physical Review Research, is a diamond open access journal. Author page charges are being waived for 2019. After 2019 APC's will fall in line with the level for hybrid gold open access. Future titles aim to remain smaller and more focused.

Delightful discussion of author page charges ensued. For APS the charges range from \$2000 to \$3600 depending on title. They hope to make this more obvious and open via their web portal.

A question about cross title referring was also posed. Cross title referring does happen, but it is always the authors option whether or not to submit to the recommended title.

## **PAM 2019 Annual Business Meeting Minutes**

PAM 2019 Annual Business Meeting Agenda  
Tuesday, June 18th

7:00 a.m. – 8:30 a.m. Eastern Time

Room 3, Huntington Convention Center of  
Cleveland

Sponsored by the American Physical Society  
(APS) and Society for Industrial and Applied  
Mathematics (SIAM)

The chair called the meeting to order at 7:16  
am

### **Introductions and Welcome**

The chair welcomed the division to the  
meeting and thanked APS and SIAM for  
sponsoring the meeting.

### **Secretary's report (Kelly Durkin Ruth)**

The secretary reported that the following  
documents have been approved and approved  
as corrected, respectfully, by the Executive  
Committee via email:

- 2018 PAM Business meeting minutes: May 29, 2019

- 2018 PAM Board meeting minutes: May 31, 2019
- July-December 2018 Executive Board Decisions and Discussions: May 31, 2019

The secretary summarized the June 3 executive board plus advisory board meeting:

- The executive board reported on its activities. Members of the advisory board reported on their committee activities since the 2018 board meeting.
- A question arose: Have conference organizers responded to issues involving the 2019 conference being located in Cleveland and the 2020 conference planned for Charlotte? John and Donna will attend the open board meeting on June 15 and will report news of interest on those issues to the membership.
- Partnership with SLA Europe Chapter  
Ruth Kneale explained that SLA Europe reached out at the end of last calendar year to see about cross-sponsoring the SLA Europe Early Career Conference Award given to a new professional coming out of SLA Europe to attend the annual conference. This collaboration would align with PAM's International Travel awards as one award is intended for a European SLA member. The groups ran out of time to coordinate the collaborative award for this conference. Because of the increased logistics in planning awards for international SLA members, Ruth suggested that PAM consider collaborating with SLA Europe for the 2020 conference and start now with the planning process rather than wait until later this year.

The executive board will work to integrate this partnership officially into the International Relations committee's work.

- **PAM Unconference**

Anya raised the issue that many PAM members can't attend SLA next year due to travel restrictions and suggested hosting an unconference at Princeton University to host PAM members who can't travel to Charlotte at the same time as the annual conference.

Discussion ensued about how to organize such an event and about potential issues with SLA over branding and event timing, how sponsors would be incorporated, and diminished attendance at SLA conference events in Charlotte. Some participants suggested the STELLA Unconference as a possible alternative event.

The chair recommended continuing a conversation with division members about how to address attendance issues at the 2020 conference in Charlotte, either on PAMNet or at the PAM Business meeting, time permitting, with PAMNet as the preferred venue for this discussion.

- **Hospitality Committee: Kathleen Lehmann**  
Kathleen proposed making the past-chair an official member of the Hospitality Committee. Laura Palumbo was an unofficial member this year and the committee would benefit from formalizing that relationship.

Discussion ensued on how to enact this change. The chair and past chair will

work together in their capacities to make that change official and update the PAM Practices Manual.

The secretary noted that minutes from today's business meeting will be published in the August bulletin.

### **Treasurer's Report (Anya Bartelmann)**

The treasurer reported that PAM has a healthy allotment despite receiving a smaller allotment from SLA headquarters this year. The PAM account has approximately \$40,000 in it, with some checks still to be cleared. The division received a number of small donations from members this year. Anya thanked all of this year's PAM sponsors for their support.

Anya relayed the following updates from the SLA treasurer's meeting:

- The financial situation for SLA is not good. SLA reported a \$600,000 loss in 2018 consisting of operating losses and investment losses. SLA's 2019 losses are projected at \$500,000. Without drastic changes, and assuming no further membership decreases, SLA estimates insolvency in 3-5 years. Membership is declining and attendance at conference has declined; these are the major sources of revenue for SLA.
- SLA proposed major changes to pooled funds and allocations applicable to all Option 2 groups. This was proposed as a solution to the problem of filling leadership roles. However, it was suggested at the Unit Treasurer's meeting that the intent is to have group finances managed through SLA headquarters to have the funds to cover their costs. This may be suitable for smaller groups and is less suitable for those with sponsorships, scholarships and other events.



- PAM is the only remaining Option 1 division. Option 2 is working well for most groups; however, PAM wants to remain as Option 1. SLA HQ leadership has said PAM can continue as Option 1 for now. There was no guarantee that PAM could continue as Option 1 beyond the next year. No changes will happen at this time.
- Other major changes proposed and approved this year was for SLA headquarters to deduct registration costs for the Leadership Symposium directly from unit allocations. This will have the greatest impact on smaller units.

Anya proposed that the Future of PAM Task Force be reformed, or create another way to reconsider our options in light of SLA's future, with information to be distributed in the Bulletin and on PAMnet.

### **Past-Chair's Report (Laura Palumbo)**

The past-chair reminded attendees about the first official Last Night Dinner at Pho Thang Café. Laura thanked the Hospitality Committee for its work and thanked SPIE Digital Library for sponsoring the event.

Laura asked that committee chairs send her any updates to committee or position descriptions in the PAM Practices Manual before their terms expire. The manual currently lives on the Wayback Machine.

### **Chair-Elect's Report and 2020 Conference Planning Report (Donna Thompson)**

The chair-elect reported that she's spoken with many members about committee and roundtable positions for next year and will formalize appointments over the next few weeks.

Donna provided updates on the 2020 SLA conference in Charlotte, NC. The conference will be held June 6th-9th. SLA cannot afford to move the conference from Charlotte. Donna has spoken with the Sci-Tech, Taxonomy, Engineering and other divisions about cross-programming for next year's conference.

Donna invited everyone to the PAM suite at 1pm today for a discussion on how we can make next year's conference programming accessible to those who can't attend in person.

### **Chair's Report (John Kromer)**

The chair thanked all of this year's sponsors and reminded attendees about the Math Roundtable session later in the morning.

John provided the following update from SLA meetings he attended:

- Approximately 1,200 people attended this year's conference, on par with Phoenix in 2017. Note that conference attendance tends to decline in western host cities, and this year's conference is in the east. SLA reported 104 exhibitors this year and 22 new attendees. John questioned this number because on its own PAM has 7 new members attending. Overall, SLA reports 390 new members and 82 units. A new caucus, Economic Development Entrepreneurship and Empowerment, was approved at SLA's open board meeting.
- A proposal was made to the SLA board to change the division, chapter and caucus structure to make everything a community. Any member could join whatever community they'd like. It is unknown how such a change would affect PAM. Further updates will be provided as they are known.
- A proposal for unit recruiting bonuses passed the SLA board. For any unit that

increases membership they will receive a \$1,000 award.

John thanked Chris Doty for his work as webmaster during the migration to our new website at [connect.sla.org/pam](http://connect.sla.org/pam). Our old pages are archived on the Wayback Machine and Chris is working to make them live again.

John announced that the May Bulletin was published on Friday. Previous Bulletin issues are not available on the new website yet but will be added as part of the migration work.

#### **PAM Awards presentations (Alison Verbeck on behalf of Ruth Kneale)**

Alison presented the PAM Division Award to the French digital mathematics library NUMDAM. Carol Hutchins accepted the award on NUMDAM's behalf.

Alison presented the PAM Achievement Award to Jeffra Bussmann.

#### **Louise Leckner Memorial Stipend Awards, sponsored by IOP Publishing (John Kromer on behalf of Heidi Tebbe)**

John presented the Louise Leckner Memorial Travel Stipend awards to Mark Chalmers, Meg Eastwood, Evan Meszaros, and Sarah Siddiqui.

He noted that the award eligibility now includes second-time conference attendees and thanked IOP for its continued sponsorship of the award.

#### **International Travel Stipend Awards, Sponsored by EDP Sciences (Mangala Krishnamurthy & Charlotte Van Rooyen, EDPS)**

John explained how the award was granted this year and thanked EDP for its additional help in covering the awardee's conference registration

this year in addition to the travel stipend.

Mangala and Charlotte presented the International Travel Stipend award to Muhumuza Medard Emmy.

Charlotte explained that the second awardee was not able to attend this year's conference.

#### **Announcements**

Jeff Bond announced the All-Star Poster Session featuring multiple PAM posters happening from 11:30-1:30pm and encouraged members to vote for their favorite poster in the conference app.

Lance Utley, PAMnet administrator, reported that PAMnet has 650 members, which is more than the number of people in the division. He encouraged non-PAM members to join the listserv.

Becca Greenstein, of the Professional Development Committee, reminded attendees to fill out session feedback forms.

Aaron Lercher, Membership Committee chair, announced that updated membership directories are available and thanked AMS for sponsoring them.

Stella Ota led attendees in a round of applause for Mea Warren, a 2019 Rising Star awardee.

#### **Adjournment**

The meeting adjourned at 8:01 am.

Respectfully submitted,  
Kelly Durkin Ruth  
PAM Secretary

# 2019 Treasurer's Report

Anya Bartelmann

	12/31/2018	6/1/2019	
<b>ASSETS</b>			
Cash & Bank Accounts			
PAM Division Checking Account	\$22,914.43	\$32,862.92	
SLA Pooled Fund Account	\$35,056.28	PENDING*	
TOTAL Cash & Bank Accounts	\$57,970.71	PENDING	
<b>TOTAL ASSETS</b>	\$57,970.71	\$32,862.92	
<b>LIABILITIES</b>	\$0.00	\$0.00	
<b>OVERALL TOTAL</b>	\$57,970.71	\$32,862.92	
<b>INFLOWS</b>	Received	Pending	Total
Dues Allotment - 1/1/18 – 12/31/18	\$1,302.00		\$1,302.00
2019 Sponsorships	\$17,800.00	\$600.00	\$18,400.00
<b>TOTAL INFLOWS</b>	\$19,102.00	\$600.00	\$19,702.00
<b>OUTFLOWS</b>	Paid	Pending	Total
SLA 2019 – Award/Thank You Certificate Supplies	\$306.43		\$306.43
SLA 2018 – Louise Leckner Memorial Travel Stipends	\$2,000.00		\$2,000.00
SLA 2018 – IOPP PAM Suite	\$1,500.00		\$1,500.00
SLA 2018 – Conference Invoice from HQ – 9/21/2018	\$6,954.00		\$6,954.00
SLA 2019 – Conference Travel Expenses – As of 6/1/2019	\$0.00		\$0.00
<b>TOTAL OUTFLOWS</b>	\$10,760.43	\$0.00	\$10,760.43

\*Expected by September 1, 2019

## Future of PAM Task Force

PAM Chair John Kromer has convened a new Future of PAM Task Force to be chaired by Kayleigh Bohémier.

At the 2019 SLA Annual Conference, the SLA core leadership discussed an idea with members of SLA units about restructuring Divisions, Caucuses, and Chapters into a new organizational structure called “Communities,” with much of the workload shifted and central-

ized to the core SLA leadership and our association management firm. (For context, PAM is the only Division within SLA that has chosen Option One — which means that we do our own fundraising and additional coordination throughout the year — so we do things a bit differently from many units within SLA.) During the conference, several items of concern arose related to these proposed changes at the Open Board Meeting and at the Joint Cabinets Meeting. In addition, we learned at the Open Board Meeting that SLA’s finances are in serious trouble and that we’ve been operating at a deficit for several years. In contrast to SLA as a whole, PAM is financially

healthy.

This autumn, the Future of PAM Task Force will be conducting a survey of the membership about how the membership wants to proceed in the coming years. It will present its findings to the PAM Board. The Task Force recently solicited volunteers to serve on the Task Force, and from those volunteers, we have selected and emailed people to serve on the committee. After hearing responses from everyone, we will schedule meetings to carry out the survey design, distribution, analysis, and report-writing.

Members of the Division may remember a previous task force, which also explored the Division's relationship with SLA and provided recommendations about the future of this relationship.

## 2019 PAM Achievement Award

The purpose of the PAM Achievement Award is to recognize those Division members who have made outstanding contributions to the Division, and whose professional work is marked by distinction and dedication to librarianship in astronomy, mathematics and/or physics.

This energetic individual started working with and for PAM in the late 2000s, engaging shortly after graduation with the challenging task of being PAM's Alignment Ambassador to SLA. Handling those duties for three years really helped her move into chairing the Strategic Planning Committee for a further three years. During this time, this person also moderated roundtables, presented at sessions, submitted

posters, changed jobs, served as PAM Secretary, served on the PAM Programming Task Force, co-chaired the Fundraising Committee and had multiple papers published. (Are you tired yet?)

In her personal life, this cheerful person loves cats, good food, live music, playing D&D, and escape rooms. It's nearly impossible to spend any time whatsoever with her without smiling. The enthusiasm and verve that this person brings not just to PAM but to her work and friendships is amazing. She is a tireless advocate for PAM and a graceful mentor. She is a highly skilled librarian and researcher, a generous volunteer and collaborator, and a kind and encouraging friend to all. She is a true asset to PAM - we could not do without her!

We are pleased to grant the 2019 PAM Division Achievement Award to Jeffra Diane Bussmann!

For more information about Jeffra's research, please visit her LinkedIn profile at <https://www.linkedin.com/in/jeffra/>.



# 2019 PAM Division Award

The PAM Division Award is granted to an individual or organization that provides a significant contribution to the literature of physics, mathematics or astronomy or to honor work that demonstrably improves the exchange of information in physics, mathematics or astronomy.

The awardee organization for this year's PAM Achievement Award has done a tremendous amount of work in the world of mathematics literature over the last 15 years. They are the French digital mathematics library, and provide the full text of various mathematical research documents, including journal articles, seminar and conference proceedings, books and monographs, and doctoral theses. Their content includes both digitized older material and born-digital current publications, and material is freely downloadable after a "moving

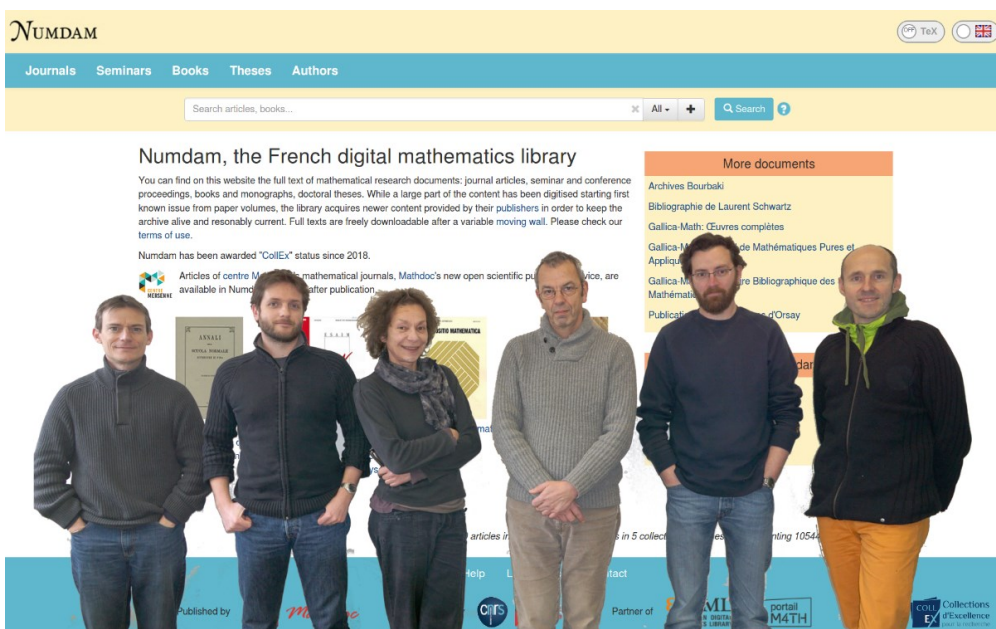
wall" of time has passed. It was started in 2000 by MathDoc, the National Mathematical Document Coordination Unit, and awarded national CollEx (Collections of Excellence for Research) status in 2018.

This body has 59082 articles in 76 periodicals, 667 books in 5 collections, and 263 theses, and are adding more every month. They are considering an on-demand digitization service for books or rare documents. The goal of the group is to archive and deliver the complete backrun of academic mathematical journals.

There is no question that this organization's work towards making the world of academic mathematics research available to all is a major contribution to the exchange of information.

We are delighted to present the 2019 PAM Division Award to NUMDAM!

*For more information about NUMDAM, please visit their website at <http://www.numdam.org/>.*



*The current NUMDAM team (from left to right: Olivier Labbe, technical lead; Nicolas Franco-Nollet, LaTeX acquisition operator; Isabelle Costerg, digitization and metadata technician; Thierry Bouche, Director; Patrick Bernaud, metadata preparation engineer; Simon Chevance, platform engineer).*



# Members' Corner News

**Anya Bartelmann**

**Heidi Tebbe**, Collections & Research Librarian for Engineering and Data Science at North Carolina State University, published a new article in July:

Heidi Tebbe (2019) Questions from Newbies—Facilitating Communication and Professional Development: A Case Study, Serials Review, DOI: [10.1080/00987913.2019.1640030](https://doi.org/10.1080/00987913.2019.1640030)

## **PAM Bulletin Sponsor**



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