



The New York Chapter of Keramos

New York State College of Ceramics at Alfred University

Annual Report 2020-2021



Alfred University
INAMORI SCHOOL OF ENGINEERING

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1. President's Summary

This academic year was a year of working to be fluid and adaptive in the midst of a global pandemic. We were able to meet virtually for most events and for those in person we followed the New York State guidelines for social distancing and remaining masked. Alfred University remained open fully both semesters, so students were able to have a sense of normalcy. For our Keramos chapter, we focused on the school of ceramics community, and allowing new members to know current members without face to face interaction. Officers held monthly meetings to brainstorm ways to improve our chapter and try to make impactful decisions.

In the Fall of 2020, many members attended MS&T virtually, and we are hoping to have members attend in person this upcoming Fall, to represent our strong chapter. We also collected funds from the soda vending machine in Scholes library, the ceramics library, as a way to raise money for our chapter. We also restocked the vending machine. We held our first virtual ceremony in the fall to induct the members from Spring 2020. We had a great turn out, and were able to convert the ceremony to be on video. Officers gathered to make gift bags for new initiates, with candy and hand sanitizer, to welcome them to our chapter.

In the Spring of 2021, we inducted our initiates for the 2020-2021 school year, who will be mentioned at the Honors Convocation. We also had a graduate student talk on Zoom, with over 30 members attending. We had a graduate students from ceramics, glasses, and biomaterials research groups speak about the graduate school process and their research, with an open forum for questions at the end. Additionally, as a chapter we voted to have Dr. Tim Keenan as our honorary Keramos member. Overall, we had a successful year given the circumstances, and were able to keep a close ceramics community at Alfred University.

Trisha Whaley

President 2020-2021

2. Annual Plan 2021-2022

The Alfred University Keramos chapter plans to increase student involvement in the 2021-2022 academic year. By creating more ways for involvement through more events within the chapter, the student involvement numbers should go up. The best way to ensure more student involvement is to first establish effective ways to communicate within the group. The goal is to find one platform that most of the group prefers. Examples would be email or GroupMe. Social events include bowling, study sessions, and networking events with alumni from various companies. It is important to create an inclusive environment for new initiates so they will carry on the traditions of Keramos.

In addition, Keramos members will be strongly encouraged to attend ceramic and materials science related conferences, such as MS&T in the Fall, USACA in the spring, and the Ceramics Expo also in the spring. These events allow for student exposure to current research, as well as networking opportunities. Building a strong social network is vital for one's future career.

Outside of Keramos specific events, other events will be held with a combination of other club involvement. Combining a trip or event with SWE or Tau Beta Pi allows interaction with more engineers in the Alfred community. A possibility for next year would be to collaborate with the engineering clubs at the neighboring school, Alfred State, for a community project. Events that Keramos will continue to be involved in are open houses, accepted student's days, women in engineering day, hot dog day, and luncheons.

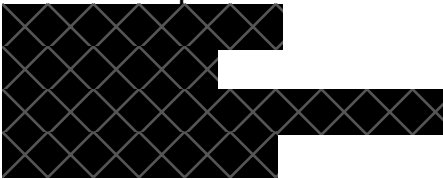
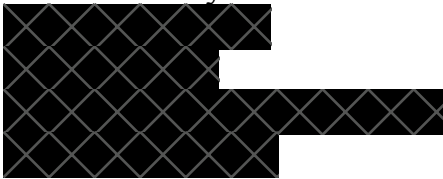
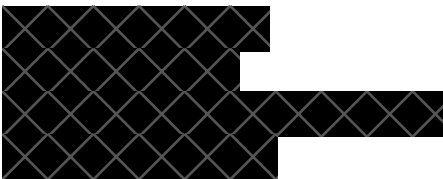
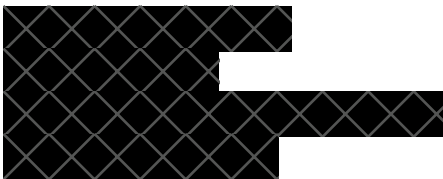
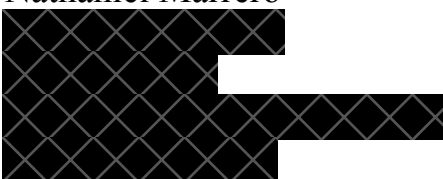
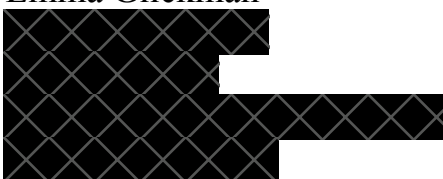

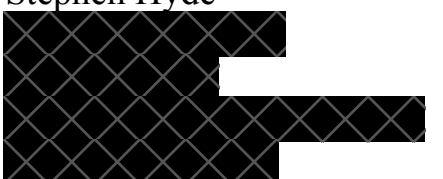
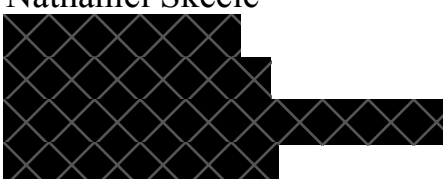
We would also like to take advantage of the art facilities available on campus and try to combine with the art students to teach them about techniques, such as 3D printing, so they may teach hands on usability of ceramic and glass materials. Due to working with student who think differently, new inspiration may form.

Fundraisers for the upcoming year are going to include making mugs and glass straws with the help of art students, selling t-shirts on hot dog day, bake sales, along with collecting funds from two vending machines on campus. We will also be asking current/new member to submit fundraising ideas.

Lastly, if COVID-19 allows, company and lab tours will continue in the upcoming academic year. Working closely with the Career Development Center and many professors, we will

facilitate visits to local companies and laboratories. These visits will allow members to see manufacturing as well as research and design in person, possibly helping choose future career plans.

3.Officers

Incoming Officers (2021-2022)	Outgoing Officers (2020-2021)
<p><u>President:</u> Kristin Chapman</p> 	<p><u>President:</u> Trisha Whaley</p> 
<p><u>Vice President:</u> Nathaniel Skeele</p> 	<p><u>Vice President:</u> Sarah Raeman</p> 
<p><u>Treasurer:</u> Nathaniel Marrero</p> 	<p><u>Treasurer:</u> Emma Glickman</p> 
<p><u>Secretary:</u> Aleksy Strelalov</p> 	<p><u>Secretary:</u> Stephen Hyde</p> 
<p><u>Herald:</u> Open</p>	<p><u>Herald:</u> Nathaniel Skeele</p> 

4.Current Members

Whaley, Trisha L
Baldwin, Grant L
Berlin, Kenneth C
Boettcher, Heidi
Bosi, Joshua
Brandl, Anthony F
Chamberlin, Olivia K
Chapman, Kristin L
Ciccarella, Mark A
Congdon, Erin
Daley, Emma
De La Rosa, Charles
Dopman, Carissa
Dunham, Grace
Enke, Emelia
Figueroa, Amanda
Findlay, Lane
Fowler, Quinn
Freberg, Austin
Gilbert, Olivia
Glickman, Emma
Guariglia, Amanda
Hyde, Stephen
Jensen, David
Karschner, Logan
Luzhetskaya, Diana
Lynch, Catherine
Marrero, Nathaniel
Matthies, Kathleen
Mayo, Tim
McDonald, Ryan
Moravansky, Rachael
Nelson, Owen
O'Connell, Agatha
Pao, River
Peckham, Rosemary
Pellegrino, Victoria
Quintas, Jocelyn
Raeman, Sarah
Rice, Joseph
Rod, Nicodemus
Ross, Michael G
Saccucci-Bryan, Aidan L
Schunke, Austin R
Serenio, Maximos M
Serotta, Lauren M
Shearer, Adam T
Skeele, Nathaniel
Stekalov, Aleksey P
Tsekrekas, Anthoy
Voss, Maria

5. New Members (Inducted Spring 2021)

Lauren Serotta
Ryan McDonald
Tori Pellegrino
Olivia Gilbert
Aleksy Strelakov
Kenneth Berlin
Quinn Fowler
Grace Dunnham
Austin Freberg
Amanda Guariglia
Lane Findlay

6. Graduating Members

Whaley, Trisha L
Boettcher, Heidi
Cicarella, Mark A
Congdon, Erin
Daley, Emma
Dopman, Carissa
Figueroa, Amanda
Fowler, Quinn
Glickman, Emma
Guariglia, Amanda
Hyde, Stephen
Karschner, Logan
Luzhetskaya, Diana
McDonald, Ryan
O'Connell, Agatha
Peckham, Rosemary
Pellegrino, Victoria
Raeman, Sarah
Rice, Joseph
Ross, Michael G
Serotta, Lauren M
Shearer, Adam T
Skeele, Nathaniel
Tsekrekas, Anthoy

7. Treasurers Report

During the 2020-2021 academic year, Alfred University's Keramos Chapter utilized its funds to prepare welcome gifts for our inductees, spending a total of \$70.88. We received \$291.15 in dues from our inductees. Due to the COVID-19 outbreak, all events that the Alfred University chapter held were online and involved members of our community, graduate students, or professors who did not charge us for our time. We did not purchase graduation cords this year as they were purchased in anticipation of an in-person graduation last spring and were not used until now. As we did not request any funding for events from our university during this academic year, we anticipate that we will be able to secure ample funding to attend MS&T or other conferences in the coming year, provided that they are held in-person. In the same case, if our campus life is able to return to normal in the Fall of 2021, we anticipate holding an in-person induction complete with the normal celebratory meal, purchasing graduation cords and pins, and holding as many in-person events as possible and utilizing fundraising and the support of our student senate to raise money for these activities.

8. Honorary Member



My name is Tim Keenan, and I am originally from a little lakeside town called Ontario, NY. I first came to Alfred University (AU) in August 2006, and haven't been too far from here for any extended amount of time since! Obtained a B.S. in Biomedical Materials Science & Engineering in 2010, a M.S. in Materials Science & Engineering in 2012, and then a Ph.D. in Materials Science & Engineering in 2016, all from AU. My primary focus throughout my graduate degrees was the development of biocompatible and bioresorbable materials for hard tissue replacement, and I have continued that work during my first few years as an Assistant Professor of Biomaterials Engineering here at AU. I teach several courses, both at the undergraduate and graduate level, related to materials science and biomaterials engineering, and have a diverse array of research interests, which currently include:

- Synthesis of composites containing glass/ceramics for a wide range of therapeutic effects in both hard and soft tissue applications
- Development of cheap, naturally-derived materials for wound closure/treatment
- Processing and upscaling of recycled glass
- Antimicrobial coatings on glass and ceramic surfaces
- Development of multi-functional materials for outdoor/military applications

Additionally, outside of work, I thoroughly enjoy both new construction and renovation projects, and am particularly interested in exploring ways in which we can utilize the enormous quantities of discarded glass and ceramic materials to develop new/repurposed materials for consumer and construction products.

From senior biomaterials engineering student, our chapter Vice President, Sarah Raeman:

“Tim Keenan is one of the best professors at Alfred University. He works so hard and cares so much for every single one of his students' success in and out of the classroom.”

9. Honors Convocation Awards

These awards were voted on by the 2020-2021 Keramos members.

John F. McMahon Ceramic Teaching Excellence Award

- **Dr. Tim Keenan**

Advancement of Women in Engineering Award

- **Carissa Dopman**

Dr. Richard C. Martin Outstanding Senior Scholarship

- **Trisha Whaley**

Dr. Richard C. Martin Outstanding Teaching Assistant Award

- **Charles Bellows**

Congratulations to the winners!

10. Summary

Overall, there was a lot to report despite the lack of in person interaction. There are going to be many chapter improvements made under the new officers with the new initiates, and the previous officers and graduates will be missed. Dr. Tim Keenan has proven to make a large impact on his students, receiving both honorary member and the John F. McMahon Ceramic Teaching Excellence Award, where he will receive a plaque at honors convocation. The Alfred University Chapter of Keramos has improved immensely over the last few years, and will continue on that trend.