



## CONTENTS

- |                        |                               |                  |
|------------------------|-------------------------------|------------------|
| 1 Welcome!             | 5 Encuentro: Student Helps... | 7 Faculty Update |
| 2 Departmental Updates | 6 Student & Alumni Updates    |                  |

## WELCOME!

The departments of mathematics and physics at PUC welcome you to our third annual newsletter! We are excited to share a variety of highlights and changes that have happened in the 2018-2019 academic year. Our students have been busy, faculty have been changing, and we continue to welcome new students into the departments and celebrate the achievements of our alumni.

We look forward to sharing updates from our alumni every fall; be sure to [respond to our survey](#) and let us know what you are up to!

### Chair's Remarks

The start of the 2019-2020 school year brings excitement as well as some changes. PUC has partnered with California Community Colleges, and our mathematics and physics degrees are now part of the Associate Degree for Transfer (ADT) program. The ADT program establishes a pathway making it easier for students in California Community Colleges to transfer into PUC to complete their bachelor's degrees in a variety of areas, including mathematics and physics. We are excited for the potential that this program has for increasing the upper-division students transferring to our departments. In addition to the ADT program, Dr. Vola continues to attract new students to our department by involving students in research and providing opportunities for them to make significant contributions to science.

The new year has also signaled change in our degree offerings. Our enrollment in engineering classes has fallen off in the last few years and the A.S. Engineering degree has been replaced with a pathway to engineering. While no longer offering a degree, the pathway to engineering will still provide PUC students with preparation

to complete a bachelor's degree in engineering at another institution. Another significant change is the retirement of Steve Waters from denominational service and his subsequent departure from PUC. Hence, I now have the honor of chairing the departments. More details on this and other changes in our faculty are reflected in this newsletter.

As I consider the impact of the recent changes on our departments, I recall a visit I made in 2010 to my alma mater, Southern Adventist University (SAU). Most of my professors had retired and the department was housed in a new building; I left feeling like an outsider and disconnected with SAU. I resolved to stay in touch with my department and experience future changes as they develop so that I could maintain a stronger connection. We hope you will stay actively involved with your departmental family at PUC by reading these annual newsletters, sharing your updates with us, visiting campus, and interacting with us online through [Pioneer Connect](#).

# DEPARTMENTAL UPDATES

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## Physics Student Research

The various grants and subcontracts PUC has received do not include funds for conference travel, so it is with the support of donors like you that our students were able to travel to national laboratories, present their findings, and attend local, regional, and national conferences during the 2018-2019 academic year. The financial burden to provide these experiences is great, however; the educational opportunities made possible for our majors in the last academic year came at a cost of nearly \$10,000 in donations and some of our students had to pay out-of-pocket for their travel expenses when donated funds were no longer available. We want to make sure every student at PUC who wants to experience research at a national laboratory can do so. **Our goal is to raise \$15,000 to support activities like these during the 2019-2020 academic year. Please help ensure opportunities like this continue to be available to our PUC majors donating to the [Mathematics and Physics Departments Fund](#) to supplement the financial expenses of research related travel.**

### Publication in the 2019 AIP Conference Proceedings:

We have often reported on the achievements of our graduates, Aaron Watson ('18), Jarod Taylor ('18), Elijah Nuss ('19), Kitae Kim ('19), Michael Andrianarijaona ('17), and Charles P. DeGuzman ('17), who made multiple trips to ORNL since fall 2017 until the end of summer of 2018 to collect some data missing from the physics literature. We are proud to share an exciting result of their work that has taken place after Dr. Vola presented this missing data during the 25th Conference on Application of Accelerators in Research and Industry in August 2018 in Texas. The scientific community received the new data favorably and a month later, Dr. Vola submitted the results for publication to the American Institute of Physics. The paper, including these six students and PUC chemistry professor, Robert Wilson, who also went to ORNL to help for more than a month, as coauthors, was officially published on October 02, 2019 by the American Institute of Physics. You can read the paper by following [this link](#) to download an electronic copy.

### Conferences:

Students Kelsey Hadfield, Angela Shin, Dayton Brown, Tori Lee, and Volana Andrianarijaona attended the Conferences for Undergraduate Women in Physics (CUWiP) held by the American Physical Society January 18-20, 2019 at UC Davis, Davis, California. Read more about their experience on the [PUC website](#)!

Several of our students presented original research at conferences this year. You can read more about their activities summarized below in a recent news article on the [PUC website](#).

- Biophysics major, Kelsey Hadfield, presented a poster at the April 13-16, 2019 meeting of the American Physical Society in Denver, Colorado. The abstract of her poster titled, "Scaling Law Echoing Musical Harmony at the Frontier between Atomic and Subatomic Particles," can be found published by the [Bulletin of the American Physical Society](#) online. *Be sure to check out the footnote acknowledging our alumni for their financial support that made it possible for Kelsey to share her work.*

- Dayton Brown ('19) and current student, Joseph Yang, presented a poster during the 50th annual meeting of the Division of Atomic, Molecular, and Optical Physics of the American Physical Society, held May 27-31, 2019 in Milwaukee, Wisconsin. The abstract of their poster titled, "Undergraduate research for molecular bond measurements," can be found published by the [Bulletin of the American Physical Society](#) online. *Be sure to check out the footnote acknowledging our alumni for their financial support that made it possible for Dayton and Joseph to share their work.*

### Collaboration with Oak Ridge National Laboratory (ORNL):

- In February 8-11, students Cliff DeGuzman, Tori Lee, and Volana Andrianarijaona were given the opportunity to take their first trip to Oak Ridge National Laboratory where they assisted with research on a joint project with NASA. Go to the [PUC website](#) to find out what Volana thought of her first visit.

- In June 16-21, four more PUC students, Angela Shin, Noelle Madrio, Vicente Pena Perez, and Dallas Uhrenholt, were given the opportunity to make their first trip to Oak Ridge National Laboratory. The two latter students are among those who took our new Introduction to Physics Research class offered for the first time in Spring 2019 and showed particular

interest and ability to join our research group. Dallas came to us from Napa Valley College and Vicente is from Santa Rosa Junior College. Both have expressed an interest in transferring to PUC next school year.

- Kelsey Hadfield joined four students, Volana Andrianarijaona, Cliff DeGuzman, Vicente Pena Perez, Dallas Uhrenholt, for her first visit to Oak Ridge National Laboratory July 31-August 16.

### Collaboration with Lawrence Livermore National Laboratory:

Our very first subcontract grant, for a NASA-APRA project on X-ray emission, with Lawrence Livermore National Laboratory (LLNL) in Livermore, California, closed in September 2019. While all the PUC students who participated since the grant was awarded in 2017 have graduated, we wanted to highlight the outstanding achievements of triple Mathematics, Physics, and Engineering major, Dmytro Panchenko ('17) and update you on exciting new developments.

In the first year, Dmytro presented the fruit of our collaboration with LLNL during a June 2017 poster session of the annual meeting of the Division of Atomic, Molecular, and Optical Physics of the American Physical Society. You can find the abstract of this presentation was published by both [The Bulletin of the American Physical Society](#) and the [NASA Astrophysics Data System](#) at the links provided. You may recall from our 2017 newsletter that the most exciting result of our first subcontract to that point was that Dmytro, while still finishing his degree at PUC, published a paper in the prestigious peer-reviewed journal, [Physical Review A](#) as a first author.

Last year, we were elated to report that the group of Livermore Electron Beam Ion Traps at LLNL hired Dmytro after his graduation from PUC. That collaboration has resulted in the publication of more peer-reviewed papers with Dmytro as coauthor, including another article published in [Physical Review A](#) on the closing date of our first subcontract.

We are currently in our second year of a second subcontract with Lawrence Livermore National Security at LLNL. However, we are saying "goodbye" to Dmytro after two years there as he leaves to continue his education, this time in law school. We have been so fortunate to benefit from Dmytro's skill and proud of his achievements as he put his PUC education to



work for us at LLNL. We wish him all the best as he continues to pursue his goals. He has set a high standard and we hope that we will be able to excel, as before, during the remainder of this second subcontract.

## From Pohnpei to SURF

In last year's newsletter we shared that junior biomathematics major, Taylor Bothwell, left us to teach high school mathematics in Pohnpei

engineering, and mathematics majors experience in biomedical research, SURF is highly competitive with an approximately 10 percent acceptance rate. During the eight weeks she spent in Loma Linda, Taylor worked in the research laboratory of Dr. Juli Unternaehrer, associate professor in the Division of Biochemistry at the Loma Linda School of Medicine, where she studied how the use of nanoparticles can increase the susceptibility of

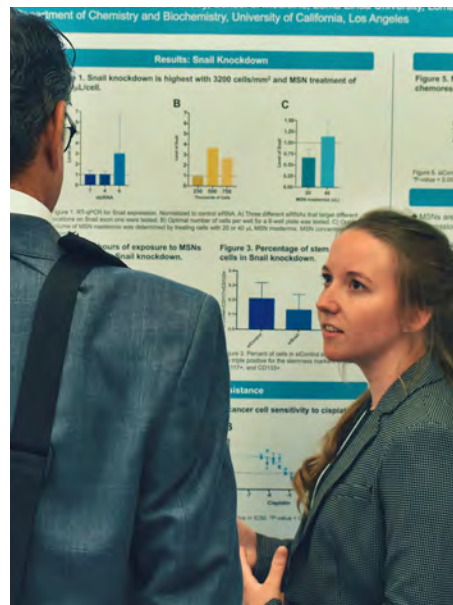
ovarian cancer to chemotherapy treatment. Near the end of the program, Taylor gave an oral presentation of her results to the other SURF participants and faculty mentors and presented a poster at a one-day research symposium at Loma Linda University along with 40 or 50 other researchers. Taylor's summer work in Dr. Unternaehrer's laboratory has given her valuable experience that will inform her decisions as she considers future career options.



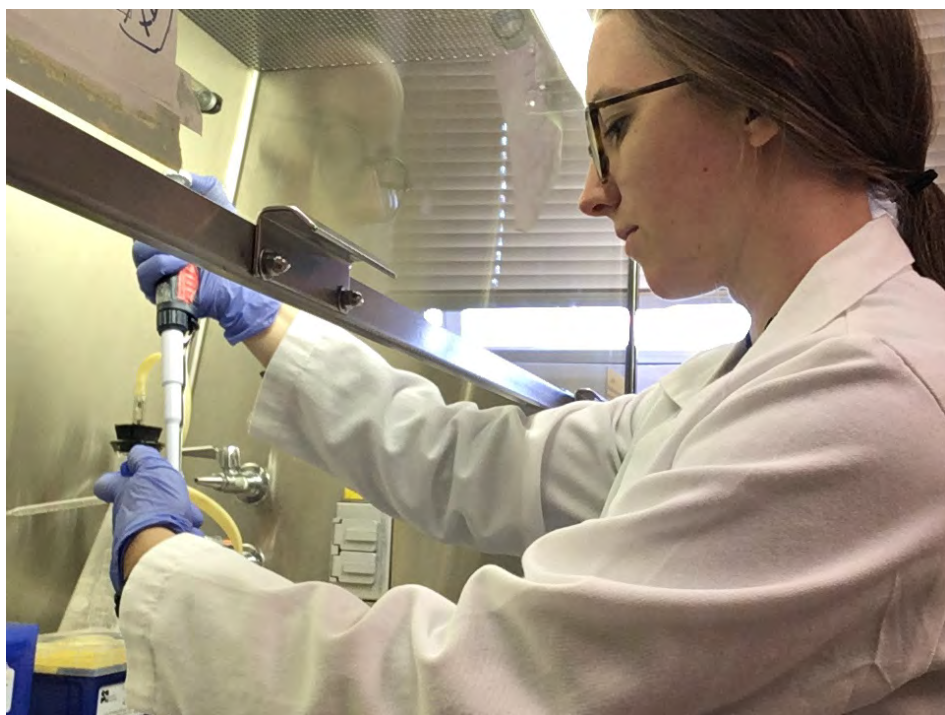
*Taylor with her students in her Pohnpei classroom*

as a student missionary. Hopefully you took the time to read about her adventures in her online blog, [Tales of Teacher Tay: Stories of my days on a tiny island in the Pacific](#) but if you haven't been keeping up, some highlights from her time there include: swimming with reef sharks, coaching the girls high school basketball team, being a part of a tremendous group of student missionaries, listening to the sound of the rain on the metal roofs of the buildings in the school compound, and having her 9-12th grade students experience "aha" moments in their math classes. Most of all, she says of her experience: "It was the hardest and also the most amazing experience that helped show me who I am in a way that wouldn't have been possible anywhere else."

Upon her return to the United States, Taylor did not slow down. She applied and was accepted to the Summer Undergraduate Research Fellowship (SURF) program at Loma Linda University. Designed to give opportunities for undergraduate students in science, technology,



*Presenting at the Loma Linda research symposium*



*In the research laboratory during SURF*



## Update: Physics Research Room

We are reaching the term of our [Major Research Instrumentation \(MRI\) grant](#), which the National Science Foundation (NSF) awarded us in September 18, 2015 for a total of \$209,922.00. The corresponding project consists of developing a three-dimensional imaging portable device that will allow vibrationally resolved measurements of cross sections of

Together with the MRI grant and your generous support, the physics research room has been transformed into a space that is genuinely suitable for any research class due to its equipment upgrades over the last several years. For example, we were able to host skyped conferences almost every week since April of 2019, exposing our students to topics including the musical harmony of



*Students in PHYS 296 attending a skyped conference in the Physics Research Room*

charge transfer in collisions between molecular ions and neutral particles.

Since March 2016, PUC students have gradually assembled the device in the PUC Physics Research room located on the first floor of Chan Shun Hall. The room became more versatile with the two fast computers and a big, flat monitor that PUC alumnus John Brenneise ('90) donated to our department last year. We are happy to report that we were able to utilize the computers to perform the mandatory function of running the residual gas analysis (RGA) of the apparatus and that the flat monitor played an essential role in the preparation of posters and rehearsal of presentations to be shared at professional meetings.

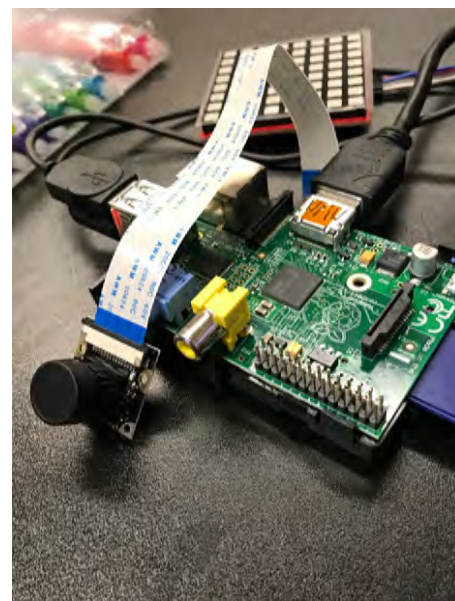


*The three-dimensional portable device made possible by our Major Research Instrumentation (MRI) grant.*

subatomic physics, the use of laser speckles for early detection of non-caries cervical lesions, and the future of photobiomodulation therapy. In addition, it helped to accommodate the Introductory to Physics Research class that connected PUC with students from area community colleges in order to pilot our efforts to attract transfer students to our physics programs.

## Weather Monitoring Update: Webcam Installed

In our 2017 newsletter we introduced you to our new RainWise weather station and expressed the desire to install a webcam to expand our reporting capabilities of our station. Unfortunately, the devastating wildfires that ravaged the Napa Valley in 2017 led us to prioritize the installation of a PurpleAir PA-II air quality sensor instead. This year, we are happy to report that our original goal of including live



*Raspberry Pi with camera module*

webcam updates has been achieved. At that time, we estimated the cost of equipment and software at approximately \$150 but we were able to complete the project for approximately \$30.

We were able to do this by utilizing one of the Raspberry Pi 2 Model B boards left from when the introductory computer lab in Chan Shun Hall was upgraded to Raspberry Pi 3 Model B boards and purchasing a camera module and USB WiFi adapter.



Webcam view on Thursday, March 14, 2019



Webcam housing located in an office window of Chan Shun Hall

Using Python to program the Raspberry Pi, we are able to send updated photos to Weather Underground approximately every minute of every day. The camera is currently located in Professor Blackburn's office window, pointing at the primary weather station apparatus. Unfortunately, the UV blocking film that covers the window results in color distortions so we ultimately hope to move the webcam to the roof of Chan Shun Hall after we can provide the necessary electricity to run the computer.

Don't forget to visit [Weather Underground](#) or add the Pacific Union College Station (ID: KCAANGWI11) to your Weather Underground mobile app.

## ENCUENTRO: STUDENT HELPS ESTABLISH NATIONAL ASSOCIATION

"Right after high school graduation, I was accepted into a young ambassador program with the Smithsonian museums. This opened the door for me to later attend a leadership event for young Puerto Ricans in New York City."

Samantha Rodriguez, sophomore engineering and math major, spent several days this summer at National Youth Leadership Encuentro, a student-driven leadership experience which offered young Puerto Ricans the opportunity to "explore the socioeconomic crises Puerto Ricans in the United States and Puerto Rico face, and gain the skills necessary to analyze, frame, and develop solutions that would impact Puerto Ricans throughout the nation."

Through discussions, activities, presentations of research, and meals together, the two dozen attendees got to know each other and dove more deeply into their shared heritage. Rodriguez was the only participant from the west coast.

Going in, Rodriguez expected lectures and lots of sitting and listening. While the conference did involve presentations, she was happily surprised to find it was much more interactive than she was expecting.

"It was incredible to talk with people who are in the same boat I am, and who understand me and my experiences," she says.

Over the course of the conference, the young leaders began talking about creating a national Puerto Rican student association (PRSA). Though it wasn't the purpose of the conference, it wasn't a surprising outcome, either.

"One of my favorite aspects of the Encuentro was the entire event was focused on sharing information and asking the students what we wanted to do, and what we think we can do, to help Puerto Rico," says Rodriguez. "When I said I thought it would be cool if we could stay connected through an alumni network, the idea just took off."

Rodriguez is now the west coast liaison for the new PRSA. Her goal is to get PRSA chapters established at colleges and universities on the west coast, and to get schools talking about Puerto Rico. She hopes to use her role in PUC's SOL (Society of Latinos) club as a launchpoint.



"There are so few Puerto Ricans and Dominicans on this side of the country that it wasn't until my college years I saw a Dominican man outside of my family," she explains. "This event was an opportunity to get a better idea of what my Puerto Rican self is like."

"My first goal is to get my own college to acknowledge and talk about Puerto Rican history, culture, and people," she says. "SOL can be so much more than fun and games; we can educate and illuminate, using our events as platforms to encourage greater interest in



larger issues that affect Latinx everywhere, but especially on our campus and in our community.”

[Article](#) by Becky St. Clair. For information about joining SOL, contact [student life](#). To connect with Rodriguez, email [strodriquez@puc.edu](mailto:strodriquez@puc.edu).

## STUDENT & ALUMNI UPDATES

### Welcoming our New Majors

It is a special time each year when we have the opportunity to welcome new students into our departmental family. This year we are happy to introduce three new majors:

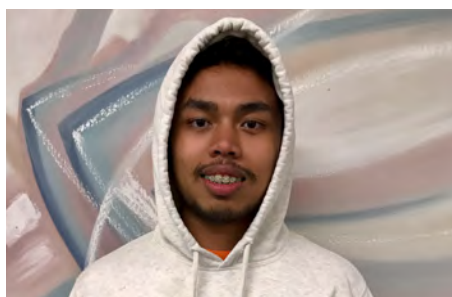
#### Freshmen:

Name: Eli Mecinas Cruz

Major/Program: Mathematics, Pre-medicine  
High School: Milpitas High School



Eli Mecinas Cruz



Antonio Ratianarivo



Amy Trenner

Name: Antonio Ratianarivo  
Major/Program: Engineering  
High School: Pacific Union College Preparatory School

#### Transfer:

Name: Amy Trenner

Major/Program: Mathematics, Secondary

Teaching Credential

College: Feather River College

### 2018-2019 Academic Year Departmental Scholarships, Commendations, Honors, and Awards

The **MPE Departmental Commendation** for a four-year student demonstrating scholarly excellence, outstanding academic achievement, non-curricular leadership, character, service, and/or community involvement was awarded to **Dayton Brown**.

The **MPE Departmental Student Worker Award** for students with strong work performance and excellence, demonstrating



Sarah Heczko



(Left to Right) Steve Waters, James Robertson, Vola Andrianarijaona, Chantel Blackburn  
(Not Pictured) Kitae Kim, Elijah Nuss, Lloyed Best, Raulton Hays

initiative, integrity, and dependability in their on-campus jobs was awarded to **Noelle Madrio** (MPE Head Secretary).

The **Math Scholarship** for a deserving Mathematics Major was awarded to **Taylor Bothwell**.

### Recent Graduates

Neither Kitae Kim nor Eli Nuss returned to Angwin to march in 2019 so **Dayton Brown** represented the departments at graduation this June. We are so proud of Dayton as he leaves us, having completed a Biophysics B.S., and heads to Southern California where he will be going to medical school at Loma Linda University.

### Updates from Alumni

We were thrilled to hear back from some of our alumni. Here are some of the updates our alums wanted to share with all of you.

#### Julie (Vieau) Dickerson (Mathematics 2007)

Julie welcomed her second baby in 2018 and is enjoying being a stay-at-home mom to her two kiddos, Ricky, 3 and Adelynn, 1.

#### Sarah Heczko (Biomathematics 2014)

I recently graduated from Loma Linda University School of Medicine. During medical school, I did research regarding Monte Carlo computer simulations looking at radiation dosing at a cellular level in various situations. I am now doing my intern year of my Physical Medicine and Rehabilitation residency at Loma Linda. I am also recently engaged to a medical school classmate whom I met in a study group!

**Joy Huynh (Biomathematics 2017)**

I received my Master of Science degree from San Jose State University in May 2019. While finishing a master's degree, I was also working at UC Berkeley's School of Optometry clinical research division. In May 2019, I accepted the position of Project Manager for Clinical Data Management at a software company in San Francisco. My work is highly responsible for the success of clinical trials in pharmaceutical and/or medical device R&D by making sure data is collected, managed and reported accurately and securely.



**Kyle Botabara**

**Kyle Botabara (Mathematics 2014)**

A few years after college, I applied to become an officer in the U.S. Air Force. I spent two and a half years working in the Space and Missile Systems Center in Los Angeles as an Operations Research Analyst. My experience as an analyst led to good remarks on my potential to excel through the rigorous training required for military aviation. So I jumped on the opportunity, applied for a pilot slot, and was happily selected to attend the Air Force's Undergraduate Pilot Training program enroute to fly high-performance military aircraft.



**Brandon Singh**

**Brandon Singh (Biophysics 2014)**

Since graduating PUC, I have gone to receive my Master's Degree in Biological Studies from Drexel University in 2016 and started

medical school at Liberty University College of Osteopathic Medicine in 2017 in Lynchburg, Virginia. Currently I am in Palestine, Texas doing 3rd year rotations and should be graduating in 2021.



**Steve & Marlo Waters**

**Steve and Marlo Waters (Mathematics 1979, 2005)**

Greetings from Portland!

It's still a little hard to believe but after 37 years of teaching at PUC, I have returned to the northwest. Marlo and I are now working for Warner Pacific University, which is located right next to Mount Tabor on the eastside of Portland. She is the registrar for the school and I am a math professor, so our jobs are not terribly different from what we were doing in California.

We will always miss the great people that we knew at PUC, but it has been really nice to be able to spend time with my family up here. Best wishes to all the other alums from Computer Science, Mathematics, Physics, and Engineering, and to the teachers who continue to provide great learning experiences there.

**Announcements for Alumni****Pioneer Connect**

Pioneer Connect is a new online community for mentoring PUC students. Mentorship is the best way to give your time and talents, and while getting started takes just a few minutes of your time, the support you provide to a PUC student can have a lifelong impact by setting them on course toward a meaningful career and life of service. Join [Pioneer Connect](#) today!

**Homecoming Affinity Reunion**

Whether you are celebrating an honor year in 2020 or not, your alumni team cordially invites you to join graduates from Biology, Chemistry, Computer Science, Mathematics, Physics, and Engineering at your affinity reunion at Homecoming in April. Questions? Contact the PUC alumni and advancement office at [707.965.7500](tel:707.965.7500) or email [alumni@puc.edu](mailto:alumni@puc.edu). Register for Homecoming [here](#).



**Steve & Marlo Waters**

**Departmental Newsletter**

We would love to hear what you have been doing. Please take a moment to [give us an update](#) for our next newsletter! Not getting our newsletter? You can [update your email](#) as well.

**FACULTY UPDATE**

It's been a busy year for our students and also a busy year for the Mathematics and Physics faculty here at PUC. Some of the changes over the last year include bidding farewell to Steve Waters at the end of the Spring 2019 quarter, welcoming familiar faces back to the departments, and eagerly awaiting the arrival of our newest departmental member and mathematics professor.

**Lloyd Best:**

Named Educator of the Year in 2015 and retired as Professor Emeritus of Mathematics in the Spring of 2017, Lloyd returned to the department of mathematics in fall 2018 upon the departure of Sidney Shields ('12). We couldn't express how grateful we have been for his willingness to step in at the last minute and fill in during the 2017-2018 academic year, so when he agreed to stay on for the fall quarter of 2019 while Stefan Sremac completes his dissertation, we were truly humbled by his generosity. Lloyd Best has contributed so much to PUC and our departments and we wish him the best on his imminent, permanent retirement. What will he



be up to? We asked: “After I ‘retire’ again, I look forward to lazy mornings in Calistoga, followed by walks and bike rides with my wife Jennifer.



completed a master's degree at the University of British Columbia. During this time, I met my amazing wife, Jodi, at campmeeting (in classic Adventist fashion!). After completing the master's degree, I started a Ph.D. at the University of Waterloo on the other side of Canada. Our four years at Waterloo have been productive. God has blessed us with two awesome kids, Jerra and Malachi, and in a few weeks I'll defend my thesis. As it stands right now, I have as many academic publications as I have children. However, with a couple of papers in the works and no new children in the womb, I expect my publications to outnumber my children in the near future.

My research is in the area of mathematical optimization and my thesis is about singularity

degree and error bounds in semidefinite programming. Outside of mathematics, I have many interests ranging from just about any outdoor activity to woodworking to crosswords.



#### **Lawrence Turner:**

Lawrence Turner, Jr. has come out of retirement to join the PUC department of mathematics this year while we continue to look for a candidate to fill the position vacated by Steve Waters.

He comes most recently from having taught mathematics and physics at Southwestern Adventist University and computer science at Andrews University prior to that. He is not unfamiliar with PUC, earning both his Bachelor of Science in physics and mathematics, as well as his Master of Arts in mathematics here before returning to teach physics and computing at PUC upon the completion of his Master of Science and Ph.D. in physics from Michigan State University. Larry's Adventist College teaching tour also includes teaching mathematics and physics at Avondale College for two years on faculty exchange from PUC and one year at Newbold College during a sabbatical while on the faculty at Andrews University.

We couldn't make it through the current academic year without him and have such tremendous gratitude that he would be willing to leave the church activities, prison ministry, Southwestern's Dinosaur Excavation Project, and Texas friends he had been enjoying his in retirement to come and teach mathematics for us. After this year, Larry looks forward to resuming the more relaxed pace of travel both within the United States by car, and also cruising abroad.



We plan to travel to Hawaii and to Virginia to visit our sons and grandchildren. In July we are booked on an Alaska cruise. We also look forward to travel someday to New Zealand, Hong Kong, and Singapore.”

#### **Stefan Sremac:**

He won't be teaching for us until January 2020, but we are excited to introduce our newest faculty member in the department: Being a pastor's kid, I've lived in quite a few places, but I call beautiful British Columbia (Canada's California) my home. I did my undergraduate studies at Burman University (formerly Canadian University College) in secondary math education. After working as a high school math teacher for a couple of years, I decided to become a student again and







**Promotion to Professor Emeritus of Mathematics**  
(Left to Right) President Bob Cushman, Steve Waters, Academic Dean Nancy Lecourt

#### Steve Waters:

Steve Waters, with his bare feet and quick wit, has been synonymous with mathematics at PUC for 37 years, so we were all devastated when he announced that he would be retiring from denominational service and leaving PUC at the end of the 2018-2019 academic year.

On the mathematics faculty since 1982, Steve has participated in nearly every aspect of the campus community from intramurals, playing his baritone saxophone in the Symphonic Wind Ensemble, and serving on a variety of committees including three presidential search committees, and every WASC accreditation committee since 1989, and chaired his academic department(s) for 12 years over multiple terms.

He was awarded the Educator of the Year award for 1987-1988 and was promoted to Professor Emeritus of Mathematics in 2019 upon his retirement from denominational service. Steve has been a huge part of PUC mathematics and impacted many lives as was evidenced when approximately 60 individual submissions sharing memories of Steve were made to the book that was presented to him before leaving this last spring. He was overwhelmed by the sentiments that were shared at his farewell gathering in June and will treasure his memories of you and PUC for many years to come.

We miss Steve dearly and wish all the best to he and Marlo as they settle into their new home and work at Warner Pacific University in Portland, Oregon. They are enjoying the weather in the Pacific Northwest and the opportunity to be closer to Steve's family in Eastern Washington.



Chantel Blackburn presents Steve with a memory book during his farewell

# JOIN YOUR PUC FAMILY On Pioneer Connect!

Visit [pioneerconnect.org](http://pioneerconnect.org) to join now!



*"What a great way to stay connected and support new alumni as they launch their career!"*  
— Holly Jeske, '71



*"What a great place to connect with fellow PUC-ites."*  
— Mark Ishikawa, '01



*"Love keeping in touch with people from PUC."*  
— Jody (King) Colegrove, '92



*"It was nice to look through the directory."*  
— Thomas Toews, '93



*"This website is a great idea! I hope it works to help connect student with alumni!"*  
— Ellen Swaney, '72



*"So excited about this!"*  
— Kiley Holmes, '08

- Stay connected by sharing life updates and photos with the PUC family
- Support the next generation of PUC Pioneers by offering mentorship and professional opportunities
- Keep your thumb on the pulse of PUC life with updates and news from campus
- Markup your calendar with PUC events and visits

# DEPARTMENTS OF MATHEMATICS & PHYSICS

NEWSLETTER

## CHAIR

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Chantel C. Blackburn, Ph.D.

Raulton Haye, M.Sc.

Stefan Sremac, M.Sc.

Lawrence Turner, Ph.D.

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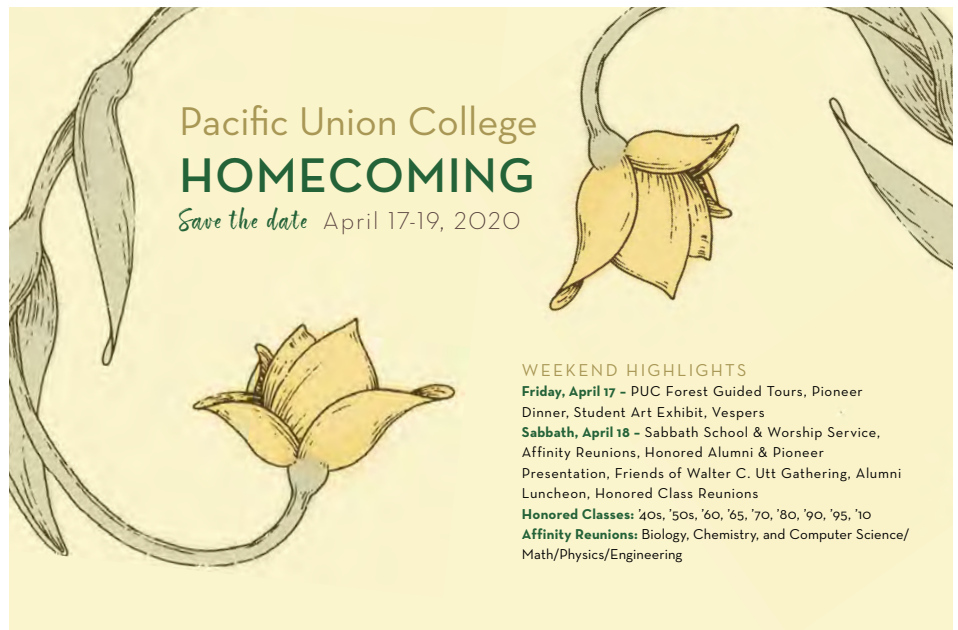
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Please consider giving to the departments of mathematics, physics & engineering to help us continue to educate the next generation of PUC students.



Pacific Union College  
**HOMECOMING**  
*Save the date* April 17-19, 2020

**WEEKEND HIGHLIGHTS**  
**Friday, April 17** – PUC Forest Guided Tours, Pioneer Dinner, Student Art Exhibit, Vespers  
**Sabbath, April 18** – Sabbath School & Worship Service, Affinity Reunions, Honored Alumni & Pioneer Presentation, Friends of Walter C. Utt Gathering, Alumni Luncheon, Honored Class Reunions  
**Honored Classes:** '40s, '50s, '60, '65, '70, '80, '90, '95, '10  
**Affinity Reunions:** Biology, Chemistry, and Computer Science/Math/Physics/Engineering

Click [here](http://puc.edu/homecoming) to register for homecoming!

