



Construction Management

ASCM Newsletter

Summer 2019

Updates

Welcome to the summer 2019 edition of the Associated Students of Construction Management newsletter. We hope that you will find the news and information to be interesting, informative, and maybe even inspiring. We have concluded another successful year for the CM program - we've been quite busy over here in Pullman and elsewhere and there is much to celebrate!

The students are our greatest reason to celebrate. Their curiosity, hard work, and engagement serve as an inspiration to the faculty. Below are a few of the 2018-2019 school year's achievements made by students and faculty in the program:

- Over 50 students competed in regional and national student competitions sponsored by organizations including the Associated Schools of Construction (ASC), the Mechanical Contractors Association of America (MCAA), and the Design Build Institute of America (DBIA) on teams coached by 6 faculty.
- Several faculty presented on research and/or industry conferences regionally, nationally, and across the globe.
- Over 30 students attended annual conferences for industry organizations this year including the Associated General Contractors of America (AGC) - National and Inland Northwest, Mechanical Contractors Association of America (MCAA), and the Design Build Institute of America (DBIA).

However, I would be remiss if I didn't mention the incredible impact that our industry partners have on the CM program as a result of their willingness to engage and give back. Here are a few examples:

- Over 50 companies were on campus to recruit students for internships and full-time employment. The outcome for the students continues to be impressive in terms of placement numbers (internships + full-time) at companies across the western U.S. These companies represent the commercial, heavy civil, and residential market sectors and include general contractors, developers and specialty contractors.
- The second phase of the BIM Initiative was completed over the summer. This phase of construction/renovation upgraded the Carpenter 212 classroom aesthetically but will also add additional technology that can be used in our BIM education offerings. The first phase (BIM Lab) was completed in the fall of 2018 resulting in a space that is a huge benefit to the students and faculty.
- Over 25 industry professionals traveled to Pullman this year to provide guest lectures in several courses. The expertise and insight that they provide to the students in these settings is crucial to reinforcing what they are learning in class.

These are just some highlights of the great things our faculty and students have accomplished this year. The level of engagement and generosity of our amazing industry partners continues to be a huge reason we have so much to celebrate. I continue to be honored and proud to be a member of this team of people who are dedicated to supporting construction education at WSU. Please continue reading to learn more about these and other accomplishments.

Lastly, I want to draw your attention to the "save the date" information for the fall Industry/Alumni Engagement event (on page 6) where we will be celebrating Max's retirement and his contributions to the CM program over the last 2 decades.

Go Cougs!

Jason Peschel
Program Coordinator, Construction Management

Resignations and Retirements

This year has been one of change and transition within the program. Dr. George Okere resigned and Dr. Max Kirk formally announced his retirement from teaching this past summer.

George's time at WSU may have been short but he has left an indelible mark on all of us with his approach to teaching and student engagement that imbued his selfless commitment to construction education.

Max's tenure in the CM program has had a huge impact over the years. It is safe to say that the program will never be the same without Max - he's been a fixture here for almost 20 years! We will honor his hard work and commitment in all that we do moving forward.

We are all sad to see them leave the program, but we also know that it creates an opportunity to re-evaluate our trajectory and chart a new path forward.

There will be two new faces in the fall semester - Steve Call (CM) and Kishor Shrestha (ConE). We look forward to you meeting them soon.



ASCM Civic Engagement

After learning that Whitman County has the highest poverty rate in the state of Washington, members of the ASCM student group chose to take action with a canned food drive. During the month of April, Construction Management students collected approximately 250 lbs of canned goods and produce. The students coordinated with and donated the food to the Community Action Center here in Pullman.

This act of kindness will be much appreciated by the local residents of Pullman and created a sense of pride amongst the students. ASCM President, Daniel Litchfield shared "We were happy to help in anyway we could and end the semester on a high note!"



Getting the food drive started!

The ASCM students have already established that they will be collecting school supplies when they get back in the fall. This effort will help to support the Pullman Public Schools and will be completed in conjunction with the local Kiwanis club.



Student Perspective: Capstone

During the spring semester our team, Jenyes Design + Construction, was able to come together to create a design and construction plan for "The SLU" (eight stories above and three below grade) in South Lake Union. The design of the building featured an amazing building skin that wrapped the south and east sides providing shading while also creating an iconic look that fit well with the surrounding structures. We were also able to create a dynamic amenity space (restaurant) on the roof that overlooked a sky bridge connecting "The SLU" to a serenity garden across the street.

During the design phase, our team provided vital input that allowed us the opportunity to correct any issues early in the project. We became very successful in the proposal delivery through our continued collaboration between the design and construction portions of the team. I firmly believe that our communication as a team gave us a competitive advantage not only in the design of the building but in our site logistics and scheduling that paved a path for our construction plan. With the help of InfraWorks, a new software that allowed us to create a 3D representation of the different phases of construction, we were able to create an extremely well thought out site logistics plan that aided in our scheduling and estimating. In completing the capstone project, we were able to understand what it takes to put together a construction plan with a team of dedicated individuals. The capstone class is, by far, one of the highlights of my time in the CM program here at WSU!

- Tanner Olson, Construction Management 2019

Student Awards & Honors/Scholarships

Student Awards: Every year the CM faculty nominate and select students for the Outstanding Student awards in the 2nd, 3rd, and 4th year. Students are selected for a variety of criteria including classroom performance and engagement in extra-curricular activities. These students are recognized at the Voiland College of Engineering & Architecture (VCEA) Awards Convocation in the spring. The 2019 Outstanding Construction Management student recipients are:

- Dylan Sterling - 2nd year
- Rebecca Nelson - 3rd year
- JP Sumayang - 4th year

In addition to being named the Outstanding Student in CM, Dylan Sterling was recognized for his hard work and dedication as the Outstanding 2nd year Student for all of VCEA. Dylan is a CM major from Independence, Kentucky who transferred from the University of Louisville. This year, Dylan and his Virtual Design and Construction teammates earned first place at the Associated Schools of Construction competition. He will also be a returning intern this summer at Mortenson Construction, working as part of the company's Virtual Design and Construction team that is developing the new Raider's football stadium in Las Vegas, Nevada. Way to go Dylan!



Student Honors/Scholarships: In addition to university-wide scholarship opportunities, certified CM students are encouraged to apply for numerous scholarship opportunities within the program and the School of Design and Construction. The generosity of donors who are committed to supporting students via scholarships is truly wonderful. Approximately \$70,000 worth of scholarships were distributed to over twenty deserving and hard working CM students for the 2018-2019 academic year. A hearty congratulations to these students and a heartfelt thank you to all of our scholarship donors!

There are many deserving students in the CM program and the impact that scholarships have on the students can be tremendous. If you (or your company) are interested in contributing to an existing scholarship fund or creating a new scholarship please contact Jason Peschel (CM Program Head) via e-mail at jpeschel@wsu.edu or Dana Sprouse (Philanthropic Engagement | Voiland College of Engineering & Architecture) via e-mail at dana.colwell@wsu.edu for more information.

2019 Senior Capstone

If you haven't attended the Senior Capstone event you are missing the premier event for Construction Management and Architecture to showcase the amazing work that our students are doing! Professors Cherf and Kessler facilitated the Capstone with 4th year CM and Architecture students — creating a collaborative experience designed to prepare the students for the industry. The students were divided into sixteen integrated companies or teams. Over the course of the semester, there were five integrated workshops providing a wealth of information to the students. These workshops were delivered by our industry partners representing the client, contractors, architects, and consultants. The final deliverable for the course was a response to an RFP and construction documents for a mixed-use project in the South Lake Union area of Seattle. The integrated student teams then competed against one another by presenting their proposals to a group of industry judges. The first round of presentations in Pullman narrowed the field of sixteen down to the final two teams. The final two teams presented their proposals for the 2019 Senior Capstone audience at the Georgetown Ballroom in Seattle. The event was a huge success again this year...with an attendance of over 115 alumni, industry partners, and families! Thank you to everyone who joined us.

Both teams did an amazing job of presenting their proposals and the judges had the difficult task of selecting the top team. After deliberations, the judges announced the team of Jenyes Design + Construction as this year's winners. The members of this team (left to right as pictured) are Riley O'Keeffe (CM), Tanner Olson (CM), Kyle Wells (CM), JP Sumayang (CM), Ezekiel Nelson (Arch), Jacob Monroe (Arch), and Coleman Coddington (Arch). Stellar Construction consisted of Brady Swanson (CM), Joe McNichols (CM), Jenny Schneider (Arch + CM), Nick Tarver (Arch), Rigo Vargas (Arch), and Steven DeGiorgi (Arch). All of these students did a wonderful job of developing their proposals and presenting - spotlighting each program and showing that they all have a bright future ahead of them!

Congratulations to the teams and Thank You to the judges!

1st Place Team: Jenyes Design + Construction



A sincere THANK YOU to both **Vulcan Real Estate Group** and **Oles Morrison**. This event was made possible largely because of their generous support. We would like to give special thanks to our judges for the evening, as well as those who travelled to Pullman for the preliminary round of judging earlier in the week. We are incredibly grateful for the time and efforts you give back to the students and the CM program!

The Seattle judges included:

Brian Aske (Lease Crutcher Lewis)
Patrick DiStefano (Graphite Design)
Sean Biehl (Vulcan)

Sean Hilt (Turner)
Peter Krech (Graphite Design)

The Pullman judges included :

Marjorie Chang Fuller (Hoffman)
Matthew Collins (Uptic Studios)
Kathryn Emtman (Lease Crutcher Lewis)
Brett Wiggins (CallisonRTKL)
Paul Carter (Wilcox Construction)

Jim Broadlick (Vulcan)
Deanna Boyle (Vulcan)
Todd Williams (Exxel Pacific)
Corey Anderson (Fisher)
Paul Snorsky (Howard S. Wright)

Faculty Awards and Honors

Dr. Anne Anderson received the 2019 Associated Schools of Construction Region 7 Teaching Award. This award recognizes the faculty members contribution to construction education, excellence in teaching, contribution to ASC, and dedication to the construction profession.

Dr. Max Kirk was nominated for the 2019 Reid Miller Excellence in Teaching Award (tenure-track). Additionally, Max was awarded the 2019 Outstanding Teaching Award (tenure-track) for the School of Design & Construction which recognizes excellence in teaching.

Dr. Julia Day and the Interdisciplinary Design + Construction Lab were awarded a WSU Undergraduate Education Curriculum grant based on her proposal titled "MEP Virtual Building Tours: Bringing Construction Sites to Students." This grant will fund a project that will send a student to cutting edge job sites to record best practices and interview experts in the field. The goal of the project is to create a dynamic and multidimensional curriculum that provides students with the experiences required to fully understand the complexities of MEP systems.



MEP Class + Field Trip

This industry-led and taught course exposed students to the world of specialty subcontracting in the areas of Mechanical, Electrical, and Plumbing. Students learned about emerging technologies and state of the art practices in the industry, toured the PACCAR building on WSU's Pullman campus, and went on a field trip to Seattle to tour several projects in various stages of construction.

On April 3rd, students toured the Westin Building Exchange (WBX) with Sequoyah and WBX. Afterwards, students toured Sequoyah Electric's Prefab Shop which included a dinner for the students and industry partners to celebrate. On April 4th, McKinstry and Valley Electric led a tour of the Block 21 site, which was followed by a tour of University Mechanical Contractor's Prefab Shop. A special thank you to NECA, SMACNA, and MCAWW for sponsoring the field trip!

Thank you to the industry professionals from Sequoyah Electric, MacDonald Miller, University Mechanical, Valley Electric, McKinstry, Trane and Skanska who took time out of their busy schedules to teach the course; the students (and the program) are extremely grateful for all of your hard work!



Student Perspective: ASC Competition

At first, I was hesitant to join an ASC team, due to the time commitment and the unfamiliarity I had with the program. With some convincing from one of my professors I decided to give it a shot and see what joining an ASC team would be like and if I would get anything out of it. Now looking back, it was one of the most impactful aspects of my education while being a student at Washington State University.

Through my courses I feel I have learned a great deal about all aspects of the construction industry. Getting the opportunity to join and compete in an ASC team only increased my learning and experiences in construction. The practice problems and competition gave me the opportunity to look at different aspects of construction and work with my architecture teammates in order to propose a project to an owner. I was able to be the captain of the Design Build team which put me in charge of overseeing all aspects of the competition problem. I was also in charge of creating the schedule for the proposed project. This was a great leadership opportunity that challenged me to make sure that I take care of my tasks and make sure everyone else was completing theirs too. I learned how important it is to work as a team, and that you need to trust each other to take care of their responsibilities. Through this experience on the Design Build team, I was able to challenge myself - which has helped to prepare me for my career in the construction industry.

I want to thank the faculty/coaches, practice problem sponsor companies, and team sponsors for all that they do to make this opportunity available to the students. In the end, the time commitment and work that being on the team took was well worth it. I am fortunate for the push from my professor to participate on the Design Build team because of the knowledge and challenge that it provided. The support that my team got from the different individuals and companies made me want to give back once I begin my career!

- Alex McCormick, Construction Management 2019

By the Numbers...

85% 2nd year students who have summer 2018 internships.

90% 3rd year students who have summer 2018 internships.

96% Students who have completed at least 1 internship prior to graduation.

91% Students who have secured employment prior to graduation.

\$68,185

Average starting salary for a WSU CM graduate.

50+

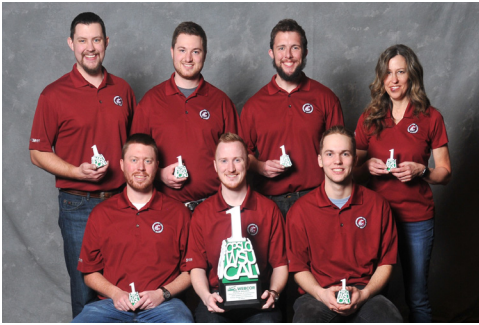
Companies that recruit interns & full-time employment via the CM program annually.

** All data collected from 2019 CM program surveys.*

Student Competitions

ASC Region 6/7 Student Competition: Four teams from WSU traveled to Sparks, NV in February along with more than 1,400 students from 53 universities who participated in the competition's Region 6, Region 7 and/or Open categories. Two of the teams (VDC & Commercial) placed this year and everyone did a wonderful job of representing WSU and the CM program.

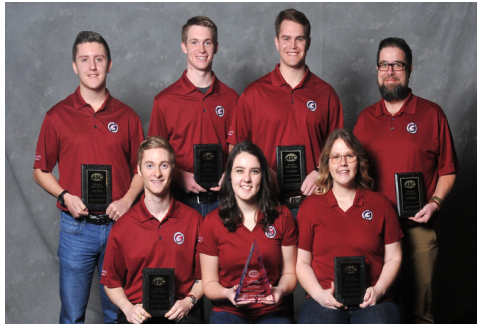
- Competing against 13 other teams, the WSU Design-Build team was sponsored by Howard S. Wright and coached by Dr. David Gunderson.
- In a competition against 15 other teams, the WSU Heavy Civil team was sponsored by Graham and coached by Dr. Tommy Tafazzoli & Dr. Max Kirk.



Earning 1st place in the Virtual Design and Construction (VDC) category - competing against 11 other teams was the WSU team. Our VDC team was sponsored by Absher and coached by Dr. Anne Anderson. The winning group this year included [left to right -front row] Dylan Sterling, Matt Hill, Chase Bos, [left to right - back row] Riley O'Keeffe, Max King, Kenny Reeck, and Anne Anderson (coach). The students are provided with a series of real-world problems for which they

are to use a variety of software to isolate and solve BIM related issues. Their deliverables and formal presentation address the problems and serve to better explain the software selection and approach to solving the problem.

Taking 2nd place and competing against 15 other teams, the WSU Commercial team was sponsored by Holland Construction and coached by Professor Jason Peschel. This team included [left to right -front] Ryan Quick, Rebecca Nelson, Jenny Schneider [left to right - back] Brady Swanson, Samuel Stargell, Tanner Olson, and Jason Peschel (coach). The commercial team was tasked with developing a proposal for the Solano County Classroom & Vocational Training Center project. In their proposal the students had to use a variety of construction management skill such as scheduling, estimating, site logistics, site safety, and technical writing.



A special THANK YOU to Exxel Pacific, Howard S. Wright, Mortenson, Absher, Kitchell, Graham, Swinerton, Hensel Phelps, and Granite - for providing practice problems and/or workshops. The exposure to projects along with the wisdom and industry knowledge shared truly serves our students well in preparing for the competition.

MCAA Student Competition: The Mechanical Contractors Association of America student chapter created an integrated team consisting of CM and Mechanical Engineering students. The competition takes place in conjunction with the MCAA Annual Convention which was held in Scottsdale, AZ this year.

As part of the competition the team was tasked with a proposal to be the prime contractor on the mechanical portion of the addition and renovation project at Indiana University's Memorial Football Stadium. The project included the completion of all plumbing, piping, and HVAC work. As the acting mechanical subcontractor, students were tasked with purchasing all equipment and materials and providing all necessary labor and equipment to complete the entire mechanical scope of work.

The team, coached by Professor Rick Cherf, dedicated a huge amount of time and effort to create a comprehensive proposal for this project. Their efforts earned them a spot in the top 50%. This group continues to be driven in the pursuit of being shortlisted for the final presentations at the MCAA Annual Convention.

Welcome to the Team!

The School of Design & Construction and the CM program are excited to welcome Dana Sprouse to our working group.



As Philanthropic Engagement Officer for the Voiland College of Engineering and Architecture (VCEA), Dana Sprouse works with the development team on fund raising and alumni outreach, primarily on the West Side of the state.

Recently, she began working with the School of Design and Construction Management as well. Dana has been with Washington State University since 2006, joining VCEA in 2017. Dana graduated from Washington State University with a degree in Communications. In Dana's current role, she enjoys meeting with alumni and donors to help them fulfill their philanthropic goals. And, in 2019, she obtained her Certificate in Fundraising Management. She served on the Washington State Chapter Meeting Professionals International Board of Directors from 2010-2017, ending her service as Past President of the association.

Dana resides in the Seattle area with her Cougar husband and future Cougar children.



SAVE THE DATE:

The fall 2019 CM Industry/ Alumni Engagement Event (aka, Mixer) is scheduled for October 10th. This is a great opportunity to network with former classmates and fellow Cougs...and learn about what's new with the CM program.

This year we will be adding a couple things to the agenda. First, we will be honoring Max Kirk in his retirement and his contributions to WSU and the CM program.



And second, we will be introducing the CM Alumni of the Year Award. Think you know someone who should be nominated? Keep an eye out for nomination criteria, process, and timeline information in the coming months. We look forward to reviewing the nominations and celebrating our alumni!

We sincerely hope that you'll be able to join us in celebrating the CM program - students, faculty, alumni, and industry partners!



4th Annual CM Golf Tournament

The 4th Annual Construction Management Golf Tournament took place on June 13th at Harbour Pointe Golf Club. The tournament was a shotgun scramble with a full field of golfers followed by a brief awards ceremony, distribution of raffle items, and reception for all present. This year's winning team was Howard S. Wright (2); followed by Howard S. Wright (1) in 2nd place, and Lydig in 3rd place. Congratulations to these teams!

All of the proceeds from the tournament will benefit CM scholarships, the ASCM, and the Student Excellence Fund. Without our amazing sponsors this tournament could not be a success. Their contributions will serve to strengthen the CM program and benefit the students. This year's sponsors for the tournament are as follows:

Main Tournament sponsors - Sound Waterproofers, Mortenson, and NECA

Hole sponsors - Lydig, Flynn BEC, Abbott, Howard S. Wright, JTM, SGS Associates, Toll Brothers, Fisher Construction Group, Kitchell, Absher, Schuchart, Laser Underground, Auburn Mechanical, GLY, Valley Electric, PCL, and Korsmo

Putting Contest sponsor - Howard S. Wright

Driving Range sponsor - Sequoyah Electric

Closest to the Pin (men's) sponsor - Avenue 55

Closest to the Pin (women's) sponsor - Lydig

Longest Drive (men's) sponsor - Mortenson

Longest Drive (women's) sponsor - Oles Morrison

Hole in One sponsor - Granite

Mobile Scoring sponsors - Lease Crutcher Lewis & Exxel Pacific

Golf Cart sponsor - Hoffman

Beverage Cart sponsor - Holland

Golf Ball sponsor - MacDonald Miller

CM Scholarship sponsors - Goldfinch Brothers, Swinerton, and NUCA

This tournament has proven to be of financial benefit to the program and students, but it is more than a fundraiser. This event provides a great opportunity for alumni and industry partners to engage with one another, our students, and our professors. Thank you to everyone who participated and made this a wonderful event - we look forward to seeing you next year!

If you have any questions about how your company can participate in the tournament next year, please feel free to contact Daniel Litchfield (the 2019-2020 ASCM President) via e-mail at wsu.ascm@gmail.com.

Howard S. Wright team with the 1st place trophy





BIM Lab - Phase 1 completed (Fall 2017)

Help Strengthen the CM Program

The WSU Construction Management program has a long, rich history of producing graduates who are "work ready, day one". To continue this proud tradition, we look to alumni and supporters to help us provide resources to inspire and encourage our students to reach their full potential. The industry and alumni can provide financial support to the program through gifts to the following primary funds:

CM Student Excellence Fund (student experience fund)

These gifts are used to fund learning opportunities for students in the CM program outside of formal classroom activities. The opportunities include student clubs such as ASCM, regional and national student competitions, conferences, field trips, and the Senior Capstone event. Our goal is to generate a minimum of \$100,000 annually.

[Learn more about the opportunities created by the CM Student Excellence Fund](#) or [Give to the CM Student Excellence Fund](#)

A. Donald Poe CM Laboratory Fund (BIM laboratory fund)

These gifts are used to create, maintain, and update student access to technology and laboratories within CM. We are currently undertaking a major fundraising effort for a three-phased plan that will provide equipment, software, and upgraded classrooms for our students that is reflective of current industry technology.

The fund will provide workstations in the lab and classrooms to allow students to collaborate with building information models and provide for future research and development for BIM, augmented reality, and virtual reality as they become increasingly more relevant to the design and construction industry. Our goal is to raise a total of \$800,000 which includes \$500,000 for facility updates and equipment plus an additional \$300,000 to build an endowment for future upgrades and maintenance.

[Learn more about the BIM Laboratory Fund](#) or [Give to the BIM Laboratory Fund](#)

A. Donald Poe CM Excellence Fund

This fund is the discretionary source we utilize to assist our students and support the highest needs for the CM program.

[Give to the CM Excellence Fund](#)

Please support the future of the construction industry and the WSU Construction Management program through one of these important opportunities. Go Cougs!

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