



Construction Management

ASCM Newsletter

Summer 2018

Updates

Welcome to the summer 2018 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 and there is much to celebrate!

Our students are the reason we come to work each day - they are committed, engaged, and provide us with the catalyst we need to keep pushing forward. They may not realize the impact that they have on us as faculty but they certainly can brighten one's day without even knowing. I believe, that because of this, our faculty are dedicated to the students and willing to invest significant amounts of time outside the classroom in an effort to see them succeed. The faculty, staff, and students have invested a considerable amount of effort this year resulting in many achievements. I want to highlight a few:

- The 4th year students (CM + Arch) worked diligently this semester to produce deliverables that impressed the judges and audience at the annual Senior Capstone event in Seattle.
- 3 faculty received honors or awards at the program and/or university level.
- Over 50 students competed in regional and national student competitions including ASC, MCAA, and DBIA on teams coached by 6 faculty.
- Several faculty presented on research at academic and/or industry conferences regionally, nationally, and across the globe.
- 23 students and 1 faculty member were inducted into Sigma Lambda Chi, the international honor society for construction. The faculty advisors plan and execute the event to honor students and faculty who are worthy of this recognition.
- This year was capped off with our Senior Banquet which honored 52 graduating seniors about to embark on careers in the construction industry. The event is coordinated and hosted by the Junior class along with the ASCM faculty advisor.

Regardless of the environment, our faculty, staff, and students represent themselves, WSU, and the CM program admirably. 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 US.
- The first phase of the BIM Lab was completed in the fall resulting in a space that is a huge benefit to the students and faculty. We are currently nearing completion of the fundraising for phase 2 and have plans to start that work in the near future.
- 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.
- Our MEP class, which is industry sponsored and taught, was a huge success this year. The class consisted of 26 students who were able to acquire knowledge from industry experts in this unique opportunity.

These are some amazing accomplishments for an exceptional team of faculty, staff, students, and industry partners. I am honored and proud to be a member of this team of people who are dedicated to supporting construction education at WSU.

Jason Peschel
Program Coordinator, Construction Management

Ryan Smith named Director of SDC

Smith comes to WSU from the University of Utah's College of Architecture



and Planning, where he served as associate dean for research and community engagement. In that position, he encouraged the development of research teams, which led to a doubling of grant applications and an increase in externally funded projects over the course of three years. He also led the college's research and outreach strategic planning process. Smith was the founder and director of the college's Integrated Technology in Architecture Center, an interdisciplinary research center focused on sustainable building technologies.

His research is focused on architectural production and, in particular, prefab design and construction. He has developed methods for quantifying the cost and schedule performance of panelized and modular built projects.



MEP Field Trip

The CM program is fortunate to have amazing advisory board members and industry partners who are willing to give back to the CM program and support the students. An opportunity like this field trip can easily change a student's perspective of the industry and their future. It gave the students an opportunity to see a project through the lens of the MEP contractor and was an incredible experience.



MEP Class + Field Trip

The second round of the industry-led MEP class was a huge success! Mahmood Ghassemi of Sequoyah Electric coordinated another impressive line-up of MEP industry professionals to deliver the course to WSU CM students. The 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 4th, students toured the first jobsite at 8th and Howell in Seattle with MacDonald Miller and Holmes Electric. Afterwards, students toured Sequoyah Electric's Prefab Shop which included a dinner for the students and industry partners to celebrate this incredible endeavor. On April 5th, McKinstry led a tour of the UW Medicine 3.2 site in Seattle, which was followed by a tour of McKinstry's Prefab Shop. Mahmood made sure that we had the Cougar football bus to drive around Seattle, especially at the UW site tour (Go Cougs)! A special thank you to NECA, SMACNA, and MCAWW for sponsoring the field trip!

Students were asked about the course in their final exam, and feedback from was extremely positive. Peyton Force stated, "one of the most valuable parts of this class is the networking and the field trip. Both provide great experience that a typical classroom does not have." Sophomore McLean Nisbit wrote, "I really liked the field trip and PACCAR tour. I thought it was the most real-time and valuable experience I have had in my college experience. Not only was learning about the projects and construction process a huge experience, but it was also awesome to talk with PM's in the industry in a low stress environment. Talking to them and receiving advice is something I will be grateful of always and try to continue throughout my career."

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!



Students, Faculty, & Industry Partners Participate in the MEP Class Field Trip

Student Awards & Honors

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 VCEA Awards Convocation in the spring. The 2018 recipients are:

- Daniel Litchfield - 2nd year
- Tanner Olson - 3rd year
- Jarrett Gregory - 4th year

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!



Senior Capstone

Professor Cherf and Professor Kessler worked diligently again this year to integrate the CM Capstone course and the 4th year Architecture Capstone studio — creating a collaborative course designed to prepare the students for the industry. The students were divided into fourteen 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 fourteen down to the final two teams. The final two teams presented their proposals for the 2018 Senior Capstone audience at the Georgetown Ballroom in Seattle. The event was a huge success again this year... with a record attendance of over 150 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 Superior Gator Design + Construction as this year's winners. The members of this team (left to right as pictured below & accompanied by the judges) are Raymond Burdick (Vulcan), Max Wilson (Glumac), Shamus Mukai (CM), Parker Meade (Arch), Cole Schwartz (CM), Garret McCorkle (CM), Frederick Stidhams (Arch + CM), Joe Blattner (Avenue 55), and Monty Kilcup (GLY). Palouse Horizon Design + Construction consisted of Jose Garibay (CM), Dawson Conway (CM), Brandon Hirschi (CM), Drew Williams (CM), Taylor Chadwick (Arch), and Samantha Giebel (Arch). All of these students clearly have a bright future ahead of them!

Congratulations to the teams and Thank You to the judges!

1st Place Team: Superior Gator 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:

Raymond Burdick (Vulcan)
Joe Blattner (Avenue 55)
Monty Kilcup (GLY)

Patrick Gordon (ZGF)
Max Wilson (Glumac)

The Pullman judges included :

Marjorie Chang Fuller (Hoffman)
Darin Chestnut (PCL)
Ashley Frederick (Lease Crutcher Lewis)
Ryan Cheng (ZGF Architects)
Paul Carter (Wilcox Construction)
Trevor Gunderson (MG2 Architects)

Bob Asahara (Callison/RTKL)
Deb Willard (Vulcan)
Todd Williams (Exxel Pacific)
Corey Anderson (Fisher)
Paul Snorsky (Howard S. Wright)

Welcome to the CM Advisory Board!



The CM program is proud and excited to welcome

Kathryn Emtan to our Advisory Board.

Kathryn graduated with a BS in Mechanical Engineering from WSU and her career started as a mechanical engineer at a local Seattle design firm. After completing her master's degree in engineering management she transitioned to an Owner's representative role, managing K-12 school projects for the Seattle School District's capital improvement program. She joined Lease Crutcher Lewis in 2005 to work as the MEP coordinator for the new Four Seasons Hotel in downtown Seattle.

Her diverse background helps her bring an invaluable understanding of what clients need and the reasoning behind it. She is now the K-12 project executive responsible for inserting Lewis into projects that build the success of our community.

When not working, Kathryn is chasing her two boys around and skiing on water or snow.



Welcome to the CM Advisory Board!

The CM program is proud and excited to welcome Todd Williams to our Advisory Board.



Todd graduated in 1991 from WSU with a BS in Construction Management and a BA in Business. He has a diverse experience in residential, retail, education, hospitality, commercial and industrial construction. Todd has been with Exxel Pacific since 2010 and is the Director of Commercial Construction providing oversight of pursuits, preconstruction services and project delivery of Exxel Pacific commercial type projects.

Todd met his wife at WSU and they have 2 boys. Their oldest son will be a sophomore at WSU next year.

Todd enjoys outdoor activities and hunting and is a Scout Master with the Boy Scouts.

Student Competitions

ASC Region 6|7 Student Competition: Four teams from WSU traveled to Sparks, NV to compete in February along with more than 1,400 students from 49 universities participated in the competition's Region 6, Region 7 and/or Open categories. Our teams prepared for several months with the help of faculty coaches and industry sponsored practice problems. Although the results at the competition were not as great as past years, the students did a wonderful job of representing WSU and the CM program.

- Competing against 11 other teams, the WSU Virtual Design and Construction (VDC) team was sponsored by Absher and coached by Professor Dr. Anne Anderson.
- In a competition against 13 other teams, the WSU Design-Build team was sponsored by Howard S. Wright and coached by Professor Dr. David Gunderson.
- Competing against 15 other teams, the WSU Commercial team was sponsored by Holland Construction and coached by Professor Jason Peschel.
- In a competition against 14 other teams, the WSU Heavy Civil team was sponsored by Graham and coached by Professor Dr. George Okere.

A special THANK YOU to our industry partners - Exxel Pacific, Howard S. Wright, Mortenson, Absher, Kitchell, and Granite - for providing the practice problems.

MCAA Student Chapter Competition: After a brief hiatus, the MCA student chapter fielded a team and submitted a proposal in this year's competition which was held in conjunction with the MCAA Annual Convention in San Antonio, TX this March. The RFP was for the renovation of a restaurant's HVAC system - replacing it with a equipment using variable refrigerant flow (VRF) technology. The project is based on a real-world project - the Fogo De Chao Brazilian Steakhouse in NYC. The students, coached by Professor Rick Cherf, invested a considerable amount of time developing this proposal to compete against 26 other teams from across the country. Even though they placed in the top 50%, the students are committed to placing in the top of the pack next year.

And, a special THANK YOU to Auburn Mechanical for mentoring the students through this process.

By the Numbers...

75% 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.

92% Students who have secured employment prior to graduation.

\$66,128

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 2018 CM program surveys.*



Faculty Awards & Honors

Awards: The Construction Management program prides itself on having great teachers who are preparing students for the industry. And, in honor of Teacher Appreciation Week which was the first week of May, it is fitting that we are able to recognize two Construction Management faculty who received teaching awards this year:

- Dr. Max Kirk was awarded the 2018 Outstanding Teaching Award for the Construction Management program in April. This award recognizes excellence in teaching and is determined by a vote of the students.
- Jason Peschel received the Presidents Distinguished Teaching Award for Non-Tenure Track Faculty. This award is designed to specifically honor instructors and/or clinical faculty members who epitomize the highest levels of performance and excellence and who provide a vital role in teaching WSU students. Pictured (from left to right) are President Kirk Schultz, Provost Dan Bernardo, Jason Peschel, and VCEA Dean Mary Rezac.



Promotion: Two faculty in the CM program were promoted this year! In academia, promotion is the strongest possible statement that can be made regarding the confidence of one's colleagues, the college, and university administration have in another's potential to grow and contribute as a faculty member at Washington State University. The faculty were recognized for their achievement at the WSU Celebration of Excellence Banquet in March.



Rick Cherf was promoted to the rank of Clinical Associate Professor. Pictured (from left to right) are President Kirk Schultz, Provost Dan Bernardo, Rick Cherf, and VCEA Dean Mary Rezac.



Jason Peschel was promoted to the rank of Clinical Associate Professor. Pictured (from left to right) are President Kirk Schultz, Provost Dan Bernardo, Jason Peschel, and VCEA Dean Mary Rezac.

Seed Grant Award: In May, Dr. Julia Day received notification from the Research and Arts Committee and the Vice President for Research that she was awarded a New Faculty Seed Grant at WSU. The *2018 New Faculty Seed Grant Program* was very competitive as there were 54 proposals submitted and only 14 awarded. Her proposal is titled *A Mixed Methods Approach to Understanding the Human-Building Interface*.

This project will implement a multidisciplinary mixed methods study to investigate adaptive comfort opportunities in residential buildings to better understand the human-building interface, resulting energy use implications in buildings, and potential areas for interface and design improvement.

Even though great strides have been made in these areas, there is still a disconnect between the occupant and building interface. Behavior-based strategies will only work to the extent that the building interface or design allows. Ultimately, more information is needed to understand how people behave in buildings. The findings from this study will provide major insights about the importance of the human-building interface, design missteps and lessons learned, and understanding the building context when implementing behavioral approaches. This research has the potential to greatly improve residential design and human-building interface controls. Results will be disseminated through a variety of easy-to-understand reporting methods.

Dr. Gunderson is the new President of the Associated Schools of Construction

On April 21, 2018 Dr. David Gunderson started serving a two year term as President of the Associated Schools of Construction (ASC). ASC is "the professional association for the development and advancement of construction education, where the sharing of ideas and knowledge inspires, guides and promotes excellence in curricula, teaching and service."

ASC is an international association with seven regions across the United States and one International region. The ASC president represents and promotes post secondary construction education across the United States and around the world. ASC has about 160 institutional members which includes approximately 850 faculty members. Among other initiatives, each of the ASC regions sponsor student competitions. Each of the regions has a Regional Director who serves on ASC's Board of Directors.

Four years ago the ASC institutional members elected Dr. Gunderson to serve as ASC 2nd Vice President, which was followed by 1st Vice President.



Golf + CM Program

We couldn't have had better weather for the event - especially considering the horrible weather last year. It sure seemed that fun was had by all...everyone was having a good time before, during, and after the tournament. It was a great opportunity for people to connect, relax, and give back to the program. A big thank you to everyone who contributed and to those who participated. We look forward to seeing you again next year!



3rd Annual CM Golf Tournament

The 3rd Annual Construction Management Golf Tournament took place on June 14th 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 Holland; followed by NECA in 2nd place, and Lydig in 3rd place. Congratulations to these teams!

All of the proceeds from the tournament will benefit the CM scholarships, the Associated Students of Construction Management, and the Student Excellence Fund. Without the variety of sponsors this tournament could not be a success. They have made a wonderful contribution that will continue 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, Exxel Pacific, Granite, Howard S. Wright, JTM, SGS Associates, Toll Brothers, Hoffman, Sequoyah Electric, Skanska, Absher, GLY, Laser Underground, Auburn Mechanical, Schuchart, University Mechanical, Swinerton, and Korsmo

Putting Contest sponsor - Howard S. Wright

Driving Range sponsor - PCL

Closest to the Pin sponsor - Avenue 55

Longest Drive (men's) sponsor - Mortenson

Longest Drive (women's) sponsor - Oles Morrison

Hole in One sponsor - Bayley

Mobile Scoring sponsors - Lease Crutcher Lewis and Fisher Construction Group

Golf Cart sponsor - Prime Electric

Beverage Cart sponsor - Holland

Golf Ball sponsor - MacDonald Miller

CM Scholarship sponsors - Lydig, Kitchell, 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 Brady Swanson (the 2018-2019 ASCM President) via e-mail at wsu.ascm@gmail.com.

Holland team and colleagues 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 \$80,000 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!

CM Advisory Board Members

Corey Anderson

Fisher Construction Group

Marjorie Chang Fuller

Hoffman Construction Co.

Darin Chestnut

PCL

Marc Everson

Abbott Construction

Kathryn Emtman

Lease Crutcher Lewis

Mahmood Ghassemi

Sequoyah Electric

Brad Kirkpatrick

Kiewit

Dave Harrison

Skanska USA Building, Inc.

Gus Simonds

MacDonald-Miller

Steve Sunich

SGS Associates, LLC

Tess Wakasugi-Don

GLY Construction

Jason Wandler

Oles Morrison

Todd Williams

Exxel Pacific

