

CMAC November 2020 Meeting Committee and Team Reporting

Committees

1. Curriculum

- Construction Technology
- Specialty Contractors
- Interdisciplinary
- Curriculum and Assessment

2. Community

3. Development and Facilities

Teams

1. Events and Programs

2. Membership and Growth

3. Young Alumni

CMAC November 2019 Meeting Construction Technology in Education

Committee Team Members

Chair: Matty Read

Co-Chair: Shane Saltzgiver

Members (on meeting call):

- Matt Williamson
- Trey Garcia
- Kevin Williams
- Jeremy Futerman
- Tyler Hecht
- Trevor Houghton
- Luis Esquivel
- Matthew Susank
- Brianna Williams



Construction Technology in Education

Fall 2019 Rock Recap

Recap of Fall 2020 Rocks and Current Status

Rock #1: Utilize digital tools for collaboration and communication

Status: **Complete** (ongoing)

Results:

- Slack: useful tool but limited participation from a handful of members
- Asana: fairly successful for organizing AEC Tech Event & accountability
- LinkedIn Group: I used this for CTEC announcements and outreach to non-CMAC members, but not particularly engaging



Construction Technology in Education

Fall 2019 Rock Recap

Recap of Fall 2020 Rocks and Current Status

Rock #2: Organize another successful AEC Tech Event

Status: **Incomplete** (Canceled due to COVID-19 pandemic)

Results:

- Our 1st goal was to attract over 100 students and faculty from more majors outside of construction management (80% CM / 20% non-CM)
- Our 2nd goal was to collect better feedback about event
- The event has been postponed due to COVID-19 pandemic



Construction Technology in Education Fall 2019 Rock Recap

Rock #2: Organize another successful AEC Tech Event

The screenshot shows the Asana project management interface for the project 'AEC Tech: Round Table and Tech Fair'. The interface includes a sidebar with navigation options like Home, My Tasks, Inbox, and Portfolios. The main area displays a list of tasks organized into sections: General Planning, Lock Down Date / Time / Location, Meetings, and Marketing / Outreach. Each task is assigned to a user and has a due date.

Task name	Assignee	Due date
General Planning		
Request Event	Matty Reed	
Determine time and location of event 3	Matty Reed	Dec 2, 2019
Meetings		
Meeting with CCCE, CTEC, and BIM Club	Matty Reed	Mar 10
Send intro email to Matty and BIM Club board 1	Matt William...	Nov 7, 2019
Send email to Jeong to set up meeting	Matty Reed	Nov 7, 2019
Meet with BIM Club	Matty Reed	Dec 6, 2019
Meet with Jeong Woo	Matty Reed	Nov 20, 2019
Meet with Jeong Woo 2	Shane Saltzgi...	Nov 20, 2019
Marketing / Outreach		
Social media posts	Itdoula	
Create Logistics Map	Matty Reed	



Construction Technology in Education

Fall 2019 Rock Recap

Recap of Fall 2020 Rocks and Current Status

Rock #3: Collect more data via AEC Tech Utilization Survey

Status: **Complete** (but, did not hit our goal)

Results:

- Our goal was to collect 60-80 responses; we were able to collect responses from 40 different companies
- All responses were from CMAC members
- We incentivized survey responses by only sharing results with companies that completed the survey



Construction Technology in Education

Fall 2019 Rock Recap

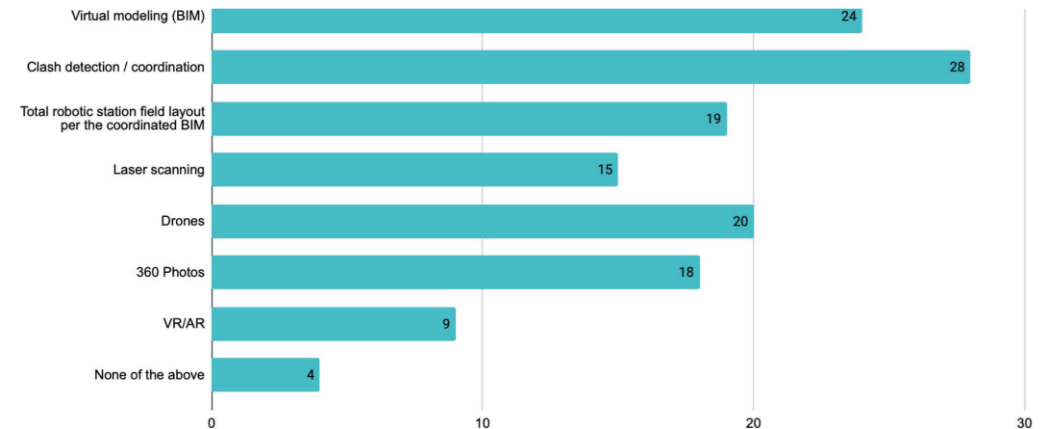
Rock #3: Collect more data via AEC Tech Utilization Survey



2019 Technology Utilization in the AEC Industry

- Today's Date: April 10th 2020
- Created: July 2019
- 40 unique respondents (all CMAC members)
- All survey respondents will be kept anonymous
- Bar graphs represent questions in "multiple answer" format
- Contact Matty Reed with feedback mattyreed1@gmail.com

Which of these services does your company perform in-house?



Construction Technology in Education

Spring 2020 Rocks

1. Utilize digital tools for collaboration and communication
 - Messaging platform: Slack + MS Teams
 - Project management: Asana (or other)
 - Public outreach: Linked Group (or page)
2. Tech Utilization Survey
 - Reach out to Cal Poly CM alumni and active/returning interns
 - Outreach on LinkedIn and leverage partner groups like CPC
 - Define extent of survey; target the industries + locations that students want to work
 - Gather more data! (60+ company responses)
 - Focus on distinguishing core technologies and pilot technologies
 - Gather data about how companies are dealing with remote work environments
3. Collaborate with CCCE to build out CTEC webpage on new website
 - Define constraints and develop wireframe of CTEC webpage
 - Create content for page
 - Prototype feature for linking faculty with subject matter experts for guest lectures



CMAC November 2019 Meeting Specialty Contractor Sub -Committee

Committee Team Members

Chair: AJ Chamorro

Co-Chair: Keenan Brekke

Members:

- Harrison Woods
- Austin Eberle

CMAC November 2019 Meeting Specialty Contractor Sub -Committee

Recap of Fall 2020 Rocks and Current Status

Rock #1: Presentations in Class to classes to generate increased/earlier exposure for students

Status: Incomplete

Results: Guest Lecture Day Planned on 4/5, by Build group / PSI and this event was canceled following Shelter in Place

CMAC November 2019 Meeting Specialty Contractor Sub -Committee

Recap of Fall 2020 Rocks and Current Status

Rock #2: Create hands on Experience with material Donations and Demonstrations

Status: In Progress

Results: Build Group / ProShore donated 1 Rack of Deck Formwork that has been implemented in Commercial

CMAC November 2019 Meeting Specialty Contractor Sub -Committee

Recap of Fall 2020 Rocks and Current Status

Rock #3: Utilize and Support clubs/ competitions to create interdisciplinary focus

Status: In Progress

Results:

- Build Group / Pacific Structures – Hosted a Winter Competition for Students to Prep for Reno. The competition was 1 week long, Keenan helped plan and execute. CP Concrete Solutions participated
- Largo hosted a Q/A Workshop with Precon and Concrete Solutions Team. Harrison, led the Concrete Solutions day as well as the job site tours
- MAC Competition, NCMCA/Pribuss have been planning for the fall competition. Working to get CM Students more involved.

CMAC November 2019 Meeting Specialty Contractor Sub -Committee

1. Presentations to Classes

- Keenan

2. Hands on Experiences with material Donations

- Harrison

3. Utilize and support clubs and competition teams to create interdisciplinary focus

- AJ

CMAC Spring 2020 Meeting Interdisciplinary Subcommittee

Committee Team Members

Chair: Kyle Spitznagel

Co-Chair: Charlie Mallers

Members:

- Greg Starzyk (Faculty Advisor)
- Enrique Ivers
- Matt Susank
- Ryan Brown

Interdisciplinary Subcommittee

Fall 2019 Rock Recap

Recap of Fall 2020 Rocks and Current Status

Rock #1: Campus Outreach Event / Teach-In Event

Status: **Partially Complete**

Results:

- Began planning event with CAED Student Club President.

Interdisciplinary Subcommittee

Fall 2019 Rock Recap

Recap of Fall 2020 Rocks and Current Status

Rock #2: Interdisciplinary Class

Status: **Partially Complete**

Results:

- Developed initial curriculum for an interdisciplinary “Technical Elective” class between College of Engineering and CAED.
- Reached out to professors to gauge interest

Interdisciplinary Subcommittee
Fall 2019 Rock Recap

Mid-March: COVID-19

Most of our rocks were impacted

Interdisciplinary Subcommittee

Fall 2019 Rock Recap

Recap of Fall 2020 Rocks and Current Status

Rock #3: **NEW** – Virtual Interdisciplinary Panel on COVID-19

Status: **Complete**

Results:

- “Virtual Panel” last week with an Architect, Structural Engineer, General Contractor, and Trade Contractor to talk about the impacts of COVID-19 on the industry
- 46 attendees. Probably about 30-35 students.

Interdisciplinary Subcommittee Spring 2020 Rocks

1. Another Virtual Panel in the Fall
 - Kyle Spitznagel

2. Interdisciplinary Technical Elective
 - Matt Susank

CMAC November 2019 Meeting

CURRICULUM COMMITTEE

Committee Team Members

Chair: Rod Hammett

Co-Chair: Tim Bolton

Lead: Jeff Grimm

Members:

- Jacob Ruiz
- Greg Simons
- Ron Yen
- Corey Keller
- Karen Orwig
- Ray Trebino
- Karri Novak
- Dominic Cacciatore
- John Grey
- Charlie Mutillo
- Kraig O'Connor
- Marco Maffioli

CURRICULUM COMMITTEE

Fall 2019 Rock Recap

Recap of Fall 2019 Rocks and Current Status

Rock #1: Develop & implement a process to get annual feedback from industry to CM faculty related to graduate preparedness.

Status: Complete

Results:

This committee will encourage industry to be responsive to the survey that will be sent out at the beginning of June.

CURRICULUM COMMITTEE

Fall 2019 Rock Recap

Recap of Fall 2019 Rocks and Current Status

Rock #2: Develop & implement a process to get annual feedback from recent alumni to CM faculty related to graduate preparedness.

Status: Complete

Results:

This committee will encourage recent alumni participating in CMAAC to be responsive to the survey that will be sent out at the beginning of June.

CURRICULUM COMMITTEE

Fall 2019 Rock Recap

Recap of Fall 2019 Rocks and Current Status

Rock #3: Develop & implement a process and format for a cross section of the faculty to utilize the committee as a resource for curriculum content changes and improvements.

Status: Complete

Results:

- Developed “Course Support Collaboration Request” form to be used as a tool to initiate/facilitate industry input between the Department and the Committee
- Construction Accounting (CM 335) selected as a pilot course
 - Several virtual meetings conducted to provide input/resources in response to needs identified by CM faculty
 - Stacy Kolegraff indicated the process & feedback from the committee was beneficial
- Goal is to continue this process at a pace of one course per quarter (3-4) courses per year. Initial focus will be on CM courses and potentially a few key support courses

CURRICULUM COMMITTEE

Spring 2020 Rocks

1. Complete Course Collaboration process for 1-2 additional courses
2. Develop a the framework for a Case Study Library