



"Advancing The Concrete Industry By Degrees."

2012-2013 ANNUAL REPORT





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The State of the Concrete Industry Management (CIM) Program

THE NATIONAL STEERING COMMITTEE (NSC) is pleased to report on another successful year in our efforts to advance the Concrete Industry Management (CIM) program. As the concrete industry continues to recover from the worst and deepest recession in the past 50 years, the importance of the CIM program to the industry's future continues to grow. The demand for CIM graduates will only escalate as

the economic recovery continues. In order to address the growing demand, the NSC has established a strong industry support network that provides continued funding and in-kind support for CIM universities. The Portland Cement Association, National Ready Mixed Concrete Association and RMC Research & Education Foundation were the program's founding associations and foundations. Once it was decided to expand the program, other associations and foundations have lent their support including: American Concrete Pipe Association, American Society of Concrete Contractors Foundation, American Concrete Institute Founda-

tion, National Concrete Masonry Association, National Precast Concrete Association, International Concrete Repair Institute and the Precast/Prestressed Concrete Institute.

The expansion of CIM beyond the original program at Middle Tennessee State University (MTSU) which began in 2002 is complete. Initially, four additional programs were established including Arizona State University (ASU), New Jersey Institute of Technology (NJIT), California State University at Chico (Chico) and Texas State University (TSU). In recent years, the CIM expansion coincided with the great economic recession. Universities in general have not been immune from the harsh economic effects of the national recession and our CIM universities have been no exception. Enrollment in higher education programs in general have been affected as has enrollment in the CIM program.

The NSC, as part of its ongoing oversight of CIM programs, reviews the progress of all the program universities. This past year during that process, it was determined that the program at ASU was not in compliance with the tenets of the agreement between NSC and ASU. While the NSC and the Southwest Patrons tried to work with ASU to resolve the issue, it was ultimately jointly decided, that at the present time, the issues were too significant to be resolved. Therefore, the Board of Directors of the NSC voted to rescind the ASU CIM charter. All agreed that the establishment of a CIM program at ASU could be revisited in the future and the NSC and ASU parted company on good terms. While this was an unfortunate occurrence, it does illustrate that the NSC takes its responsibility to provide oversight to the CIM program very seriously. Now that recovery is underway, the four remaining CIM programs are experiencing a steady increase in their enrollment. In spite of the disastrous effect the recession had on the concrete industry and the serious reduction in force that most industry companies had to undertake, all of our graduates who were ready for full-time employment were able to secure jobs in the industry. This is a strong testament to the value the industry places on the CIM program.

In order to fulfill its mission of providing support and oversight to the CIM program, the NSC is organized with a number of committees led and populated by volunteers from all aspects of the industry. One of our important committees is the Education Committee which is under the leadership of Dr. Rex Cottle of Trinity Industries and former president of Lamar University. Because of Dr. Cottle's leadership and his strong academic background, the committee has become both a resource and a guide for all the program universities. As you review the activities of the education committee highlighted in this report, you will see that there is an ongoing process designed to protect the CIM brand and supply the industry with the assurance of consistent high quality of graduates throughout the CIM program. We believe the process is working well and we are very pleased with the continuing high quality of all of the program's graduates to date. A special task force of the education committee was created to develop an MBA



program. Over the past several years, under the leadership of David Vickers, the task force has worked closely with MTSU developing the CIM MBA program. This past academic year represented the first year of the program. Similar to the beginning of the first CIM program, the first MBA class, while not fully subscribed, is off to a great start. Feedback from the graduate students and the faculty has been extremely encouraging. Interest in the program has begun to spread. The number of prospective enrollees for the program's 2013-2014 offering has significantly increased and the future for this program as the industry continues to recover is very positive.

This past year, the NSC distributed \$410,000 to program universities. There is a formula for the designated use of NSC funds that the program universities must follow. The plan is for the funds to be used to support the special aspects of the CIM program that are heavily weighed to CIM students being exposed to the industry through participation at industry-sponsored events such as the World of Concrete, NRMCA's ConcreteWorks, ACI Precast Show, Concrete Pipe School, ASCC Leadership Forum and many others. This involvement ensures the students receive broad exposure to the industry and the industry has the opportunity to meet students and learn more about CIM. The funding of each individual program is supplemented through the efforts of our partners, the local patron groups for each university. The local patron groups not only help fund the programs, but they are involved in assisting the programs in many other ways including guest lecturing, hosting local plant tours and student mentoring to name but a few. As you review this report and the updates from each school, you will see how important the local patrons are to each program.

Fundraising continues to be a major activity for the NSC in order to continue funding the unique aspects of the CIM program. Once again, the effects of the recession have impacted the amount of funding the sponsor industry associations and foundations are able to commit. Fortunately, beginning in 2006, the NSC developed a partnership with Hanley Wood and the World of Concrete to hold an annual auction. Today, the auction has grown to be the primary source of funds for the NSC. The 2013

auction was another great success, thanks in no small part to the great work of the auction committee under the leadership of Michael Philipps of Cemex and the support of Hanley Wood, World of Concrete and our auctioneers Ritchie Bros. This report has detailed information regarding the success of this year's auction.

One of the important functions of the CIM program is the ongoing national marketing and promotion of the program, both to prospective students as well as to the industry at large. The marketing committee, under the leadership of Brian Gallagher of O'Neal, Inc., has continued to reach both targeted audiences with the CIM message. The committee is also responsible for all of the extensive advertising and promotion of the annual auction. In reviewing this report, the section on the marketing committee details the numerous ways the committee is increasing the profile of the CIM program. The report, in its entirety, is an example of the high quality promotion the program receives from the marketing committee. The NSC would not be nearly as effective without the efforts of Brian and his committee.

The long-range planning committee, under the leadership of Alan Nedza of BASF, has focused this past year on how NSC addresses the industry's future demand for CIM graduates. They will again be soliciting input from the industry in the coming months on this important initiative. In addition the committee updated the NSC bylaws as they apply to the new composition of the Board of Directors.

I hope you enjoy your review of this report and we thank you for your support of CIM.

Sincerely,

Eugene Martineau

Executive Director, CIM National Steering Committee

THROUGHOUT THIS REPORT, YOU WILL FIND information about our CIM program universities and NSC committees proving that we continue to build upon the strong foundation the visionary founders began well over a decade

ago. I am old enough to know the people who started the program and they are proud of where we are today and excited about our future. I share that excitement. As our industry continues to recover from the recent recession, we will need significant human resources to enable us to meet the increase in demand for our products and services. The Portland Cement Association (PCA) is projecting a large increase in cement demand in 2014 and double digit increases for the coming years. Enrollment numbers for our CIM program universities are growing as is the quality of the education.



When thinking about our future, it is important to reflect on our past. As of the spring of 2013, the CIM program has graduated 825 students and 72 percent are still in the industry after the reduction in employment during the peak of the recession. It was a historic reduction and by an overwhelming percentage, our young men and

women made the cut. I can't think of a better affirmation that we have made an important and sustainable investment.

I would like to share a personal experience which speaks directly to the success of the CIM program. Cemex has hired several graduates over the years and are proud to have them on our team. Chad Hustedde was one of Middle Tennessee State University's (MTSU) first graduates of the CIM program. Chad's family is in the concrete business and we are so glad that they let Chad work with us. At Cemex, he started at the bottom doing virtually everything we asked - as he had done growing up in the business. He excelled and now leads our ready mix business in Arizona. While Chad is an excellent addition to the Cemex team, we know that there are more like him enrolled in the CIM program currently. Chad, and all the other graduates that we are lucky to have as part of our team, has justified our total investment in the CIM program. I encourage each of you to participate, contribute and to go find YOUR Chad.

The success of our program is directly correlated to the passion and involvement of our local patrons. I am amazed at what these groups give and accomplish. I urge each of you to seek these people out and thank them for their efforts. Finally, I also would like to recognize Gene Martineau for his unwavering passion and energy for CIM. Our industry is poised for a great future, filled with opportunities and challenges and I am convinced that there are students in our program now that will seize the day. We can't wait for our next one.

Sincerely,



Frank Craddock

Chairman, CIM National Steering Committee



EDUCATION COMMITTEE REPORT

THE EDUCATION COMMITTEE CONTINUES to monitor the performance of the CIM programs and to enhance the educational experience provided to the CIM students in the future. In the past year, the Education Committee assisted in: establishing the CIM MBA program at Middle Tennessee State University (MTSU), completing the initial industry accreditation visits to all of the CIM programs, establishing an academic journal focusing on concrete industry management concepts, and improving the quality of the CIM and business courses offered to the CIM students at our universities.



The CIM MBA program at MTSU began in the fall of 2012. This was a culmination of more than two years of planning, curriculum development, and immersion of business faculty into the concrete industry. The first cohort will graduate in March 2014 and the second cohort will start January 2014. To learn more about this unique graduate program, log onto www.concrete-mba.com.

The industry review of the CIM programs at New Jersey Institute of Technology in the fall of 2012 and at Texas State University in the spring of 2013 completes the first accreditation cycle. The visitation teams learned a great deal about each of the CIM programs. Most importantly, our industry-academic partnership works! The CIM National Steering Committee's (NSC) financial support and oversight blended with the local patron's financial support and active participation as guest lecturers, visiting instructors, internship sponsors, and student mentors provide CIM students with a unique perspective

of the concrete industry. The CIM faculty incorporates the industry knowledge and real world applications of established theories into their academic courses to create a contemporary educational experience for the CIM students. Graduates of the CIM programs are well prepared for the leadership opportunities they will face upon entering the concrete industry. The challenge for the NSC, the Patrons, and the CIM faculty is to improve upon the success of the past to keep CIM a premier applied academic program in the future.

The Education Committee has worked with Rick Yelton of Hanley Wood to create an academic journal to publish peer reviewed concrete industry management articles. This journal begins publication in 2014 and will enable scholars and practitioners to share their research and knowledge on relevant concepts in order to advance the concrete industry. It will also provide a forum to showcase student research projects.

The Education Committee has implemented a "faculty champions" program that will enable faculty from across our institutions to share their course material and best practices. A drop box (online) has been established where faculty will share their lecture, lab, and reading material for each of the core CIM courses. One faculty member will champion each CIM course. By sharing information, faculty will glean ideas for improving their courses and for helping new faculty and industry adjunct faculty in preparing for courses they will be teaching.

In the fall of 2013, the Education Committee will conduct a thorough curriculum review of the CIM core courses and the required business courses of all CIM programs. This will ensure that the curriculum is consistent, rigorous, and contemporary. The program directors will be visiting with the supporting concrete associations to incorporate the newest association materials into CIM courses and to present a broad spectrum of the concrete industry to our students.

We thank the local Patrons, faculty and program directors for their enthusiastic support of our students!

www.concretedegree.com



DR. REX COTTLE

Chairman
Education
Committee



**DANNY
RODGERS**

Chairman
Finance Committee

WE ARE PLEASED TO REPORT THAT DURING the fiscal year 2012-2013, the National Steering Committee (NSC) operated well within its planned balanced budget. Total revenues from industry sponsors, World of Concrete auction, and earned interest totaled approximately \$622,457. Total expenses for the year were approximately \$537,745. The single largest expense was ongoing support payments of \$410,000 to the CIM program universities. The net of revenues less expenses resulted in an increase in reserves of approximately \$84,712 due primarily to increased auction revenues and under budget support payments to program universities. A significant portion of the surplus resulted from the change in status of Arizona State University (detailed in the Executive Directors section of this report).

As of June 30, 2013, the NSC had total assets of approximately \$1.149 million. These reserves could be used to satisfy any outstanding commitment the NSC has to the program universities through fiscal year

2013 - 2014. They will also serve as working capital to fund the activities of the NSC during the 2013 - 2014 fiscal year. The current financial plan calls for the additional revenues generated from the 2014 auction at the World of Concrete to replenish the reserves at approximately the \$1 million plus level. This is consistent with the NSC's current financial model that is reviewed and adjusted annually in conjunction with our long range plan.

The NSC's Board of Directors recognizes that for the CIM program to continue to be a growing resource for the concrete industry, the program universities will need ongoing support. The sound financial management of the NSC and the resulting reserves combined with the annual revenues from the WOC auction, the continued support of industry associations and foundations, in conjunction with the ongoing financial commitment of local concrete industry patron groups should ensure adequate funding for the future.





ALAN NEDZA

Chairman
Long Range
Planning
Committee

WE CONTINUE TO IMPLEMENT THE WORK plan generated by the Long Range Planning Committee (LRPC) which was reviewed during the year. Due to the slowdown in the construction market, some adjustments have been made, but the vision and mission statements that were articulated in the original plan are still relevant today.

The vision of the Concrete Industry Management (CIM) program is to be a resource to provide the concrete industry with professional leaders for tomorrow. We look to improve our industry one student at a time. The mission is to develop, support, promote and sustain a network of higher learning institutions with programs that produce future professional leaders with degrees in concrete industry management. We represent a national, broad based industry coalition in partnership with CIM institutions and local industry patron groups, dedicated to a collaborative process to accomplish this goal.

Not only has the vision gone unchanged, our six strategic goals which are listed below, are still the main focus of the committee.

- Determine the emerging market needs for CIM graduates regionally, nationally, and internationally and ensure the network of institutions is sufficient to meet those needs.
- Preserve and protect the value of the CIM brand.
- Determine the scope and outreach of the CIM program.
- Promote the use of the CIM university network to conduct coordinated research that benefits the concrete industry.
- Determine the appropriate allocation of National Steering Committee (NSC) funds in support of the CIM program.
- Determine the long-term goal and leadership succession of the NSC.

In addition, the bylaws for CIM, which had not been adjusted since its inception, went through a rigorous review and the recommended changes gained full approval by the Board of Directors.

Even though the economic environment has been tough, the industry and its associations continue to support the CIM program. As we all know, people are our most important asset and programs such as CIM, which produce professional concrete managers, are even more vital than in the past. The challenges for our business will continue, but the construction industry will be well-positioned with individuals that have the necessary background and passion to build a better tomorrow.



With the recovering market, the LRPC will be conducting an outside survey to determine the future need for CIM graduates. We want to ensure the programs are prepared to meet these employment requirements. This data will also help with recruiting new students into the program. There is a saying that the best way to predict the future is to create it which is exactly what we are doing at CIM by graduating individuals to ensure the industry has the necessary leadership for a bright tomorrow.



**BRIAN
GALLAGHER**

Chairman
Marketing
Committee

THE CIM MARKETING COMMITTEE IS focused on increasing overall awareness of the CIM program, and helping educate prospective students about educational and career opportunities in the concrete industry. Our 2012 - 2013 efforts included a variety of integrated marketing communication initiatives that included promotional, marketing and public relations activities.

We also provide marketing support for the CIM institutions including the sharing of best practices, leveraging marketing efforts, and maintaining CIM brand and message consistency. Our marketing efforts included an emphasis on promoting the new Executive MBA program and the annual CIM auction.

CIM's marketing program is designed to reach a variety of targets, including: the construction industry, the concrete industry, the general media, the academic community and potential students and student influencers. Our integrated marketing communications program includes:

- **Advertising:** We have developed a series of print and web ads that have run free-of-charge in association and industry publications to help promote the CIM program to the concrete and construction industry. Several concrete industry associations, publications, and websites have generously donated print and online ad space to promote CIM and the CIM Auction.
- **Auction Support:** The Marketing Committee remains an instrumental part of the annual CIM auction. We manage a number of activities to help promote the auction including: auction item solicitation tool, press releases, promotional collateral, advertisements, web marketing and other efforts.
- **Collateral & Promotional Materials:** CIM's Marketing Committee produced various promotional materials to support the CIM brand, including brochures, graphics and other materials. In addition, the Marketing Committee produces the Annual Report, developed to inform, educate and

update stakeholders on national and institutional activities. Further, the Annual Report serves as an important marketing tool for CIM.

- **Events & Trade Shows:** During the last year, CIM exhibited at the World of Concrete, The American School Counselors Association (ASCA) Show, NRMCA's annual meeting, ACI's convention, ICRI's annual meeting, and several other national and local events.
- **Public Relations:** CIM's public relations efforts are focused on two primary areas: promoting the CIM programs to the industry and promoting CIM programs to students and influencers (parents, guidance counselors, etc.). In addition, we've promoted the CIM Executive MBA Program. The Marketing Committee has been publishing the CIM eNews six times per year, reaching more than 2,500 people with each edition. During the 2013 World of Concrete, we held a press conference for the media. For the last five years, CIM has been working with Constructive Communication, Inc. (CCI) on a proactive public relations campaign that has resulted in the distribution of more than 10 press releases and placement of more than 45 articles in industry publications such as Concrete Construction, Concrete Producer, Concrete Technology Today and Equipment World, Better Roads, and Concrete International. Articles also had online coverage on websites such as Concrete Producer Online, ConcreteExecutive.com, ForConstructionPros.com, Concrete Construction Online, Construction EquipmentGuide.com, and AggregateResearch.com.
- **Website and Social Media:** The Marketing Committee continues to enhance the CIM web presence (www.concretedegree.com) by adding interesting and relevant content, news and tools. We continued our search engine optimization (SEO) initiatives, and social media efforts. These include using RSS, Twitter, LinkedIn, Wikipedia, Facebook, Google+ and the CIM Blog. We are working on launching a new CIM website in 2014.



AUCTION COMMITTEE REPORT



THE 2013 CIM AUCTION HELD IN conjunction with the World of Concrete (WOC) in Las Vegas was a huge success with proceeds in excess of \$622,000 and the highest ever number of donated items. The success is attributed to the efforts of the highly effective auction committee that involved approximately 30 industry leaders. Every member of the committee recognizes that the auction is vital to the continued success of the CIM program.



Over the past five years, due in part to the difficult economic conditions affecting our industry, the auction has increasingly become the major source of NSC funding for the CIM program universities. Many of the auction committee members have served on the committee for a number of years. Because of this strong nucleus of members, the committee has become increasingly effective and has developed a game plan to assure a successful auction. As soon as the 2013 auction was completed, the committee began working on efforts for 2014.

The auction would not be possible without the support of Hanley Wood and The World of Concrete that provides both the venue and space to conduct the auction. The World of Concrete management ensures that the NSC has the full support of the

entire WOC staff. All of the promotion for WOC, both leading up to the event and at the convention center, highlight and advertise the auction. A similar critical element to the success of the auction is the participation of Ritchie Bros. Auctioneers, premiere auctioneers for the construction industry. They have provided the NSC with their expertise in both promoting and being on site conducting the auction. Through Ritchie Bros., we are able to include online

participation for people that are not able to attend the auction. We are pleased to note that 20 percent of the live auction proceeds came from online bidders and continues to increase each year.

Another key element in the continued success of the auction is the increasing number of industry companies that recognize the importance of the event to CIM. Many of the leading suppliers to the concrete industry are repeat donors. The ever expanding number of auction items made available to the committee for either the live or silent auction include such

high profile items as a ready mix truck donated by Mack Trucks and a truck mounted mixer donated by McNeilus. Other high profile donated items include cement and equipment such as laser screeds that are either used in the production of concrete or in concrete construction. This ensures that the auction contains items that are of interest to the thousands of attendees at WOC. In addition, there were many exciting sports travel packages including trips to the Rose Bowl, Masters, golf at Sawgrass and the Indy 500. Further, there are a number of exciting vacation trips to New York City, San Francisco, Chicago, Dallas, Nashville and the Monterey Peninsula, as well as luxury items like flat screen televisions, laptop computers and jewelry.

www.concretedegree.com



**MICHAEL
PHILIPPS**

Chairman
Auction Committee



EXECUTIVE MBA DEGREE IN CIM PROGRAM UPDATE



THE CONCRETE INDUSTRY MANAGEMENT EXECUTIVE MBA degree program is in full swing and the current cohort is poised to graduate in March, 2014. The feedback from the current students has been extremely positive. According to Nate McFarlane, Project Manager at Oldcastle Materials, “The program has increased my business acumen, allowing me to make better business decisions.”

This customized MBA is a rigorous, highly interactive degree program that thrives on diversity of cultures with mutual benefit to participants and sponsoring companies. Its major themes are globalization, leadership, strategy, and execution. The program takes participants beyond basics to a true understanding of forces that shape the concrete and construction industry. The current participants are able to immediately impact their businesses by implementing strategies and insights gained from the completed courses resulting in immediate ROI for the sponsoring companies.

Throughout the program, participants are taught the skills needed for leadership and team building and motivational skills to create synergy and energize their teams with the aim of achieving excellence throughout the organization. They are taught to look at their organizations from a holistic point of view and understand the cause and effect relationship between decisions. According to Jonathan Harrell, Technical Services Manager at Essroc Italcementi Group, “The curriculum is specifically tailored to our industry, and has provided me a unique learning opportunity. A number of the courses have been developed by professors who have spent the majority of their professional lives within the industry; and the ability to learn from their experience has been invaluable to me.” With the growing need for middle management talent in the industry as the economic recovery gets underway, the CIM Executive MBA program is well placed to provide those highly qualified managers the industry will need.

The next cohort will start in January, 2014. The www.concretedegree.com

18-month-long program is administered in 8-week blocks. The format includes distance learning, webinars and on-campus visits to MTSU or other designated industry events. This distinctive program is designed to develop long term relationships amongst participants, while fostering a collaborative learning environment and allowing national and international recruitment with limited campus visits that are intensive and focused.

Industry professionals participating in the CIM MBA program are required to have a minimum of three years of experience in the industry. GMAT or GRE is not required due to this experience requirement. Academically, all participants will have at least an undergraduate degree from an accredited institution



of higher education. While participants must have at least a bachelor's degree, that degree does not have to be in business.

The total cost of the CIM Executive MBA program is \$39,000 per participant. If you are interested in learning more about the program, contact Ayaz Ahmed, Associate Professor and Director of the MBA program at ayaz.ahmed@mtsu.edu or 615.898.5715 (office) or 678.372.1493 (cell) or Dr. Heather J. Brown at heather.brown@mtsu.edu or 615.904.8060.

To apply, please visit www.concrete-mba.com and follow us on Twitter at @MTSUGlobalMBA.

ANNUAL INSTITUTIONAL CIM PROGRAM REPORT 2012-2013



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In 2012, California State University,
Chico celebrated its 125th
anniversary as the second oldest
CSU campus in the state. It is now
one of the West's top-ranked public
comprehensive universities,
with more than 15,000 students and
100 majors and options.



DR. TANYA KOMAS
CSUC CIM
Program Director

ENROLLMENT AND GRADUATES

Current Enrollment:

2012-13 – 50 majors

Graduates:

Spring 2013 graduates: 9

Expected graduates Spring 2014: 14

Graduates to date: 64

Job placement rate: 100% of graduates looking
for employment in industry are employed

UNIVERSITY RECOGNITION AND FACTS

Rankings:

- Ranked fifth among undergraduate and master's level public universities in the western United States in the 2013 edition of "America's Best Colleges" from U.S. News & World Report (out of 121 evaluated) including public and private for:
 - Student retention
 - Student graduation rates
 - Financial resources
 - Faculty resources (class size, student-faculty ratio, proportion of professors with terminal degrees in their fields)
 - Alumni giving rate

- For the fourth consecutive year, the Princeton Review included Chico State in its listing of “Best Business Schools” in 2011 (the Chico State CIM program requires a minor in business).
- Chico State was named to The Princeton Review’s 2013 “Green Honor Roll,” receiving the highest possible score.
- MSN.com’s top 8 college towns in the United States, 2013.
- Ranked in 20 Best Towns to live in the United States by Outside Magazine, 2011

Western Undergraduate Exchange (WUE)

WUE is a program of the Western Interstate Commission for Higher Education (WICHE). Through WUE, students in western states may enroll in Chico State’s CIM program outside of their home state at a reduced fee level. WUE tuition is considerably less than nonresident tuition. Students from the following states qualify to apply to the CIM program at Chico State under the WUE program:

- Arizona
- Alaska
- Colorado
- Hawaii
- Idaho
- Montana
- Nevada
- New Mexico
- North Dakota
- Oregon
- South Dakota
- Utah
- Washington
- Wyoming

FACULTY PROFESSIONAL ACTIVITIES & AWARDS

Research/Projects

Tanya Komasa/Tim Hostettler/Scott Burghardt

- “Stadium Service Life Prediction Partnership” for Industry & Academic Training, Stadium Lab & University Alliance (ongoing). Funding: \$17,581.

Tanya Komasa/Brian Peart

- “Advanced Highway Surface Preparation/Protection Treatment: Sealers & Hardeners” – leading cooperative Caltrans/Industry concrete pavement project (ongoing). Funding \$9,187.

Tanya Komasa

- Chico State CIM Summer Field School at Alcatraz Island, Golden Gate National Recreation Area, National Park Service. 8

students summer 2011. Funding: NPS - \$35,000; BASF: \$50,000.

Tim Hostettler

- Patrick Ranch Project Leadership Team
- Bob Bauman Memorial Golf Tournament organizational team – proceeds go to CIM scholarship

Presentations

Tanya Komasa

- ICRI National Convention – “Concrete Repair in Higher Education”
- ICRI Metro New York Chapter – Concrete Repair at Pointe du Hoc and Alcatraz
- ICRI Connecticut Chapter – Concrete Repair at Pointe du Hoc and Alcatraz

Awards

Tanya Komasa

- Honored as one of Five Most Influential People in the Concrete Industry, Concrete Construction Magazine, World of Concrete, 2013
- Professor of the Year for California State University, Chico, Chico Economic Development Council, 2013

Tim Hostettler

- Nominated for California State University, Chico, Teacher of the Year, Concrete Industry Management Program, California State University, Chico, 2012

Industry Association Participation

Tanya Komasa

- Strategic Development Council, American Concrete Institute – member, Vision 2020 committee, Strategic Repair Research Council committee
- International Concrete Repair Institute – Board of Directors, Chair of Evaluation Committee, member of Education and Sustainability Committees, co-authoring “Surface Repair Inspector Certification”

Tim Hostettler

- American Concrete Institute Northern California Chapter – member
- Concrete Promotion Council of Northern California – member

Scott Burghardt

- American Society of Concrete Contractors - faculty mentor

STUDENT ACTIVITIES

Awards

- “Crews that Rock” Competition Finalist, World of Concrete, 2013

Student Clubs

- Concrete Industry Management Student Society (CIMSS) CIM Patron golf tournament
- Campus Preview Day student recruiting
- Regular student social outings
- Inter-College Competition Record:
- Fall 2010 Halloween Dodge Ball Champions
- Spring 2011 Bowling Champions
- Spring 2011 Golf Champions

ICRI Student Chapter

- First ICRI Student Chapter
- On-campus activities and San Francisco field trip

PROGRAM ACTIVITIES

Internships

Mentored 16 student interns during summer 2012 in a range of concrete industry related fields

Certifications

- ACI Field Testing Technician Grade I
- ACI Flatwork Finisher

Field Trips

- San Francisco Repair Projects - Repair class – 2 day trip
- San Francisco Construction Projects, tour of Alcatraz project (with hands-on core drilling), tour of Palace of Fine Arts project, camaraderie building - Introduction to Concrete class – 2 day trip
- A&A Concrete Supply Batch plant, Chico – Facilities Management class and Concrete Sustainability class
- Valley Contractors Exchange, Chico – Facilities Management class
- Lehigh Cement plant, Redding, Calif. – Applications & Methods class
- Shasta Dam, Redding, Calif. - Applications & Methods class
- ICF contractor's house for ICF demo, Chico, Calif. – Concrete Sustainability class
- Sierra Nevada Brewery Sustainability tour, Chico, Calif.
- Vulcan/Triangle Rock Table Mountain facility (hosted by CSU Chico CIM alumni Robert Hostetler)
- Mathews Ready Mix, Yuba City plant and Western Materials aggregate quarry tour (hosted by CSU Chico CIM alumni Chad Christie)

Senior Capstone Projects

- Derek Fridley – “STADIUM Concrete Durability Testing and Analysis for the U.S. Navy” for Navy projects in Southern California

- Kurt Hosley – “Municipal Roadway Maintenance Comparison – Concrete and Asphalt” with research in five California cities, sponsored by California Nevada Cement Association
- Matthew Howe – “Adhesive Anchor Bolt Research” sponsored by Hanley Wood and Hilti with testing and data collection at World of Concrete involving 75 contractors
- Scott MacFarlane – “Sourcehound: Web based Application for the Concrete Industry”
- Daniel Ortega – “Application of MIT’s Pavement Vehicle Interaction Model” for CO2 emissions calculations on concrete vs. asphalt roads with MIT and Caltrans
- JOVANNY PEREZ – “ReadyMix620: SAP Project Configuration and Implementation” with the Chico State College of Business
- Steven Zundel – “Repairs to the Palace of Fine Arts in San Francisco” with the City of San Francisco

CIM Program Volunteer Service

- National Park Service - concrete repair and underserved youth mentoring
- Habitat for Humanity – formed and poured sidewalks and patios - involved entire Applications & Methods class
- Palace of Fine Arts, San Francisco – concrete repair and repair aesthetics
- Kershner Wildlife Foundation, Chico – coordinated and arranged for donations of all materials and professional labor for tiger pond project - formed and tied rebar mat, placed concrete, and applied decorative finishes with several CIM classes
- CSU Farm – student volunteer labor, students mentored by local block mason
- Magalia Community Park – concrete hardscape design and installation internship project

MARKETING ACTIVITIES

Tanya Komars

Three CIM National Steering Committee meetings; two Chico State Patron Meetings/Founder's Dinners; two Chico State Patron Officer's meetings, Sacramento; World of Concrete; two ICRI meetings chaperoning Chico and other CIM school students; advisor to all Chico State CIM students; Chico State Preview Day

Tim Hostetler:

Chico State Preview Day; two Chico State Patron meetings/Founder's Dinners; one CIM National Steering Committee meeting; CIM Student Society advisor; CIM Lab Coordinator; CIM Internship Coordinator

Doug Guerrero, Chico State CIM Patron Chairman:

Two Chico State Patron meetings/Founder's Dinners; two Chico State Patron Officer's meetings; three CIM National Steering Com-

2012 RECRUITMENT ACTIVITIES

DATE	SCHOOL	LOCATION	DESCRIPTION
January	Durham High School	Durham, Calif.	CIM alum/faculty - two 50-minute presentations to Ag classes
February	Yreka High School	Yreka, Calif.	CIM alum/faculty - 50-minute presentation to Ag classes
March	Etna High School	Etna, Calif.	CIM alum/faculty - 50-minute presentation to Ag classes
March	Live Oak High School	Live Oak, Calif.	CIM alum/faculty - two 1-hour presentations to Ag classes
Spring	Chico State	Chico, Calif.	Faculty/Students/Alums - Choose Chico Day
Spring	Enterprise High School	Redding, Calif.	CIM alum/faculty - College Options Career Fair
Spring	Cosumnes River College	Sacramento, Calif.	CIM alum/faculty - Full presentation to two construction-related classes
Spring	Shasta College	Redding, Calif.	CIM alum/faculty - general recruiting
Fall	Chico State	Chico, Calif.	Faculty/Students/Alums - Preview Day
August	WREctacular	Chico State	Faculty/Students/Alums - WREC center open house- thousands of students/parents/faculty
Fall	Chico State	MGMT classes	CIM Alum/faculty - Presentations to various management classes to encourage students to take CIM 101 course
Fall	Chico State	Business classes	CIM faculty - Presentations to various Business classes to encourage students to take CIM 101 course
September	Butte College	Oroville, Calif.	CIM alum/faculty - Transfer Day booth - informed students about the program
September	College of the Siskiyous	Weed, Calif.	CIM alum/faculty - Transfer/Info Day- presentations to individual groups of high school students
September	Shasta College	Redding, Calif.	CIM alum/faculty - Transfer Day booth
October	DeAnza College	S. San Francisco, Calif.	CIM alum/faculty - Transfer Day booth
October	DeAnza College	S. San Francisco, Calif.	CIM alum/faculty - Presentation to Intro to Engineering class
October	Diablo Valley College	Pleasant Hill, Calif.	CIM alum/faculty - General recruiting
April	FFA State Convention	Fresno, Calif.	CIM alum/faculty - Career Fair at State event for FFA leadership

mittee meetings; held meetings and conducted tours of campus for prospective and incoming students; participated in class lectures several times during year; built strongest patron participation year-to-date during eighth year as volunteer chairman; elected to Chico State Foundation Board of Governors and currently serves as chairman.

Mike Ward, Dean and Jerry Hight, Assistant Dean

Two CIM Officer's meetings, two Chico State Patron Meetings/ Founder's Dinners, one National Steering Committee meeting

PROGRAM SUPPORT

Chico State CIM Patrons - a 401(c)(3) Tax exempt educational foundation

Executive Committee

- Guerrero, Douglas K. - CEMEX (retired), Co-Chair
- Davis, Dana - A. Teichert & Son, Co-Chair
- Ceccotti, Eugene R. - Shamrock Materials, Inc., Vice-Chair

- Tietz, Thomas R. - California Nevada Cement Association, Vice-Chair
- Buol, Stephan - Vulcan Materials, Secretary
- Roth, Mike - Lehigh Southwest Cement Company, Treasurer
- Albanese, Bill - Central Concrete (US Concrete), Executive Committee Member
- Bearden, Dave - Teichert Materials (retired), Executive Committee Member
- Law, Allen K., Executive Committee Member
- Scott, Mike - Oldcastle Precast, Executive Committee Member

Corporate Founders (5+ Years Continuous Gifting)

- Basalite
- BASF
- California Nevada Cement Association
- California Portland Cement
- California Precast Concrete Association
- CEMEX
- Central Concrete (US Concrete)
- The Conco Companies

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- Concrete Promotion Council of Northern California
- Grace Construction
- Granite Rock Company
- Knife River
- Lehigh Southwest Cement/Hanson Aggregates
- Mel Marshall Industries
- Nevada Cement
- Oldcastle Precast
- Quikrete
- Shamrock Materials
- Sika Corporation
- Teichert Materials
- US concrete precast
- Valley Rock
- Vulcan Materials
- Western Ready Mix

Patrons (Yearly Gifting)

- A & A Concrete
- Blastrac
- Bode Gravel
- Calstone Company
- Convergent Technologies
- Diamatic
- Independent Floor Testing & Inspection (IFTI)
- Livingston Concrete
- Mitsubishi Cement
- National Cement
- Propex
- Salt River Materials Group
- Sierra Nevada Concrete Association
- Structural
- Umpqua Sand & Gravel

Personal Founders (5+ Years Continuous Gifting)

- Albanese, Bill & Mari
- Albanese, Tom
- Burghardt, John & Jamie
- Ceccotti, Eugene
- Davis, Dana & Jerri
- Guerrero, Doug & Kelly
- Humphrey, Don & Cathy
- Khan, Tarek & Jennifer
- Law, Allen & Carla
- Nelson, Rick & Tina
- Odenthal, Greg & Laura
- Repman, Jim & Leslie

Personal Patrons (Yearly Gifting or Contributions)

- Bearden, Dave & Gayle

- Holliday, John
- McDonald, Kirk
- Perrine, Scott & Chantelle
- Humphrey, Scott & Kathleen

Contributors (One Time Gifting)

- Briggs Manufacturing
- Bromel Construction
- CVC Construction
- Filipek, David
- Halverson, John
- Holliday, John
- Kahler, Don & Lynn
- Martineau, Gene
- Nestech Development
- RC Ready Mix
- Rich Ready Mix
- Right Away
- Royal Trucking
- Shydowski, Michael
- The Beavers Trust
- Top Grade Construction

... and so many other giving and volunteering time as guest lecturers, gifting "in kind" donations of equipment and materials for our concrete lab, student projects, and research.

SCHOLARSHIPS

Chico State CIM Patrons provide:

\$1,500 scholarships for all qualifying freshmen/sophomores
\$2,000 scholarships for all qualifying juniors/seniors

Scholarships awarded 2012-13:

Fall 2012: 21 scholarships, total: \$17,250
Spring 2013: 16 scholarships, total: \$14,000

Student and Faculty Conference and Event Attendance

- American Concrete Institute Northern California Chapter meeting (3 faculty, 28 students)
- American Concrete Institute's Strategic Development Council (1 faculty)
- American Society of Concrete Contractors (1 faculty, 4 students)
- California Precast Concrete Association (3 students)
- Command Alkon (1 faculty, 4 students)
- Concrete Décor Show (3 students)
- International Concrete Repair Institute (1 faculty, 3 students)
- International Concrete Repair Institute (1 faculty)

- MIT Concrete Sustainability Hub Industry Day (1 faculty, 1 student)
- Multiple Caltrans and regional association meetings
- National Pavement Preservation Conference (1 faculty)
- NRMCA Sustainability Conference (1 faculty, 4 students)
- Sierra Nevada Concrete Association (1 faculty, 3 students)
- World of Concrete (2 faculty, 1 administration, 1 staff, 13 students) - four students completed intensive week-long internships with companies at WOC

Involvement of Patrons/Industry

- Fall and Spring Chico State CIM Patron Meetings and Founder's Dinners (two days of events for each meeting with over 50 patron or potential patron attendees plus guests); Third Annual CIM Student Society "Alumni and Friends" Golf Tournament; Patron panel judges for internship presentations and Senior Capstone presentations, numerous guest lecturers in classroom and lab; Northern California ACI Chapter meeting in Chico provided substantial materials and in-kind contributions of time for laboratory coursework, research, and special projects, community service projects

Guest Lectures and Presentations

- Beard, Randy – Walker Restoration, Denver Colo. Repair class topic: Post-tensioning design and repair
- Branum, Clark – Diamatic, Seattle, Wash. Decorative class topics: concrete sealers, coloring systems, decorative sustainability, stamping, staining
- Buell, Stephan - Vulcan Materials, Calif. Facilities Management class topic: Aggregate plant production
- Burke, Douglas - US Navy, San Diego, Calif. Capstone class topic: individual discussions with students about concrete durability and U.S. Navy careers for CIM graduates
- Burns, Dennis – SIMCO, Quebec, Canada. Repair class topic: concrete durability and service life prediction
- Cail, Kevin – CarbonCure, Canada. Capstone class topic: Carbon curing for concrete block
- Conlin, Pete - American Ready Mix, Sparks, Nev. Fundamentals & Materials, Applications & Methods, and Facilities Management class topics: quality control, mix design, testing
- Guecia, Greg – BASF, Sacramento, Calif. Fundamentals & Materials, Applications & Methods, and sustainability class topic: Admixtures
- Guerrero, Doug - CEMEX, retired, Chico, Calif. Introduction to Concrete class topic: History of cement/concrete
- Hennings, Bethany - Concrete Reinforcing Steel Institute, Stockton, Calif. Repair class topic: reinforcing steel
- Hennings, Craig - American Concrete Paving Association, Stockton, Calif. Repair class topic: concrete pavement durability
- Hostettler, Robert and Ash Abselom (both Chico State CIM

- Alums) - Vulcan Materials, Calif. Introduction to Concrete class topic: aggregates
- Juell, Greg - Sousa Ready Mix, Calif. Introduction to Concrete class topic: Cement chemistry and ready-mix business operations
- Knapp, Greg - Lehigh Cement, Calif. Sustainability class topic: sustainable cement practices
- Mooradian, Doug - Precast/Prestressed Concrete Institute West, Calif. Introduction to Concrete class topic: Precast/prestressed concrete
- Murphy, Matt – PCM. Facilities Management class topic: marketing
- Perrine, Bob - American Ready Mix, Sparks, Nev. Facilities Management class topic: budgeting
- Pyle, Tom – Caltrans, Sacramento, Calif. Applications & Methods and Sustainability class topics: bridge construction and sustainable construction practices
- Rigsby, Shellie – Acanthus, Dallas, Texas. Decorative class topic: decorative concrete
- Roberts, Charlie L, - Applied Testing, Chico, Calif. Applications & Methods class topic: concrete reinforcement
- Salisbury, Paulette – California Nevada Cement Association, Calif. Applications & Methods and Sustainability class topics: pervious concrete and heat island effect
- Schmidt, John – Teichert, Sacramento. Calif. Fundamentals & Materials class topic: Materials testing
- Smith, Steve – Grace, Calif. Introduction to Concrete class topic: admixtures
- Sullivan, Paul - Alternative Energy. Sustainability class topic: solar energy
- Vanderloop, Dirk - CSU Chico Professor Emeritus, Chico. Calif. Capstone class topic: Human resource advice for graduates
- Yonker, Kent - Performance Wall Systems, Calif. Applications & Methods class topic: ICF construction

FINANCIAL INFORMATION

Chico State Income/Expenses 2012-13

INCOME	Patrons	\$106,068
	Patron Scholarships	\$31,250
	National Steering Committee	\$100,000
	University	\$163,829
	Total Income	\$401,147

EXPENSES	Salaries	\$240,765
	Operating/Equipment	\$61,444
	Travel	\$64,124
	Patron Scholarships	\$31,250
	Total Expenses	\$397,583



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Middle Tennessee State University, located in Murfreesboro, is the oldest and largest institution in the Tennessee Board of Regents system. With an enrollment of about 24,000 students, it is the number one choice of undergraduates in Tennessee.



**DR. HEATHER
BROWN**
MTSU CIM
Department Chair &
Professor

ENROLLMENT AND GRADUATES

Program Enrollment:

	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014
Fall	415	306	259	155	155
Spring	386	303	226	178	180*
MBA				8	12

*estimated

Number of Graduates:

Fall 2012: 25
Spring 2013: 25
Summer 2013: 17

CIM PATRONS BOARD 2012-2013

- Kyle Weatherly, President, Stalite Inc.
- Patrick O'Connell, Vice President, Cemex Inc.
- Cody Eaton, Secretary/Treasurer, Momenive Inc.

FACULTY AND STAFF

- Dr. Heather J. Brown, Chair and Professor
- Dr. Marcus Knight, Associate Professor
- Dr. Zhifu Yang, Associate Professor
- Dr. Gerald Morton, Associate Professor
- Mr. Joe Fulks, Associate Professor
- Mr. Ayaz Ahmed, Associate Professor
- Mrs. Sally Bradford, Executive Aide
- Mr. Jon Huddleston, Lab Manager
- Mrs. Nicole Green, Marketing and Recruiting Coordinator

AWARDS

- 2012 ACI Excellent University
- Scholarships
- ASCC Foundation Scholarship
- Middle Tennessee AGC Scholarship
- BASF Scholarship
- CFMA Nashville Chapter Scholarship
- CIM Outstanding Seniors for both concentrations
- Command Alkon Scholarship
- Concrete Supply Scholarship
- Dr. Earl Keese Scholarship
- FRCA Scholarship
- Georgia Concrete and Products Association Scholarship
- H. Elton Cook Scholarship
- Lehigh Hanson Scholarship
- Maryland Ready Mixed Concrete Association Scholarship
- Red Victory Scholarship
- Sika Scholarship
- Southeast PCA Scholarship
- Tennessee Concrete Association Scholarship
- William Avery Scholarship

STUDENT TRAVEL, 70 STUDENTS

- ASCC Annual Convention
- PCI Annual Convention
- ACI Conference
- NRMCA Annual Convention and ConcreteWorks
- Command Alkon Customer Conference
- World of Concrete
- Concrete Décor Show
- ASCE Tennessee Chapter Meeting
- ICON Show
- AGC Convention
- ICRI Convention
- IEEE/PCA Convention

PUBLICATIONS

- Yang, Z., Kowalsky, K., Olek, J., and Nantung, T., "Effects of Sand Characteristics and Fly Ash Content on Properties of Flowable Fill," Submitted on 12/03/2012 and under review for ACI Materials Journal
- Brown, H.J., Sparkman A., "Use and Intention of ASTM C1701 Test Method for Infiltration of In-Place", Pervious Concrete, ASTM STP 1551, 9 pages, 2012
- Crouch, L.K., Brown, H.J., "Evaluating Polish Resistance of Tennessee Bituminous Surface Aggregates", ASTM 1555, 19 pages, November 2012

JOURNAL REVIEWS

- Yang: 04/08/2013, Materials and Structures Journal, "Prediction of fracture parameters and strain-softening behavior of concrete: effect of frost action"
- Yang: 01/04/2013, ACI Materials Journal, "Cracking behavior of SHCC subjected to sustained tensile loading"
- Yang: 08/13/2012, ACI Materials Journal, "Research on bending fatigue performance of steel fiber reinforced recycled concrete" Brown: 29-Apr-2013
Journal: Environmental Science & Technology
Manuscript ID : es-2013-011306
Title : "An Alternative Mechanism for Accelerated Carbon Sequestration in Concrete"
Author(s): Haselbach, Liv; Thomle, Jonathan
- Brown: 17-Apr-2013
Textbook: Routledge/Taylor & Francis
Title: The Architectural Design Potential of Tilt Wall Construction
Author: Dr. Jeffrey Brown
- Brown: 27-July-2012
Journal: Journal of Materials in Civil Engineering
Manuscript ID: MTENG-1194R2, Acid Corrosion of Plain and Reinforced Concrete Sewage Systems
- Brown: Summer 2012
Special Publication Editor: ASTM 1551
Title: Pervious Concrete

UNDERGRADUATE RESEARCH

Total grant dollars requested: \$629,983

Total grant dollars received: \$235,983

Grants awarded:

- NSF REU Grant Research Experience for Undergraduate Pre-service Teachers Geoenvironmental Challenges in the South-eastern U.S.
- Tennessee Small Business Development Grant
- Oak Ridge National Laboratory Wood Ash Grant
- Faculty Development Fellowship from NPCA

CURRICULUM UPDATES

- Four CIM special problems topics now approved as standalone CIM electives: Decorative Concrete, Precast Concrete, Masonry, and Mix Design
- Precast Concrete course developed, to be taught Fall 2013
- Development of Cement Manufacturing course
- Hands-on laboratory for Introduction to Blueprint Reading
- Develop a course in Software Application in the Concrete and Construction Industry (CIM 4900)
- Develop a course for Gen Ed elective in Sustainable Construction

MARKETING/PROMOTION

- Andon: Departmental Fair, August 30, MTSU Campus, Tenn.
- Green: Rutherford County Counselor Luncheon, September 13, MTSU Campus, Tenn.
- Green: Murray Regional College Fair, September 18, Murray State University, Ky.
- Andon: Rutherford County College Night, September 18, Miller Coliseum, Tenn.
- Knight and Andon: University 1010 Guest Speaker, September 21, MTSU Campus, Tenn.
- Andon: University 1010 Guest Speaker, September 24, MTSU Campus, Tenn.
- Andon: University 1010 Guest Speaker, September 25, MTSU Campus, Tenn.
- Green: South Central KY Regional College Fair, September 25, Lindsey Wilson College, Ky.
- Green: Cave County Fair, September 25, Glasgow National Guard Armory, Ky.
- Green: Bowling Green Regional College Fair, September 26, Western Kentucky University, Ky.
- Green: Rome, Georgia Probe College Fair, September 27, Rome, Ga.
- Green: Calhoun, Georgia Probe College Fair, September 27, Calhoun, Ga.
- Green: Dalton, Georgia Probe College Fair, September 28, Dalton, Ga.
- All: CIM Alumni Skeet Shoot and Patrons Board Meetings, October 3, Sequatchie Concrete
- Green: MTSU Admissions Nashville Student Reception, October 8, Nashville, Tenn.
- Andon: University 1010 Guest Speaker, October 8, MTSU Campus, Tenn.
- Green: MTSU Admissions Memphis Student Reception, October 24, Germantown, Tenn.
- Green: MTSU Admissions Jackson Student Reception, October 25, Jackson, Tenn.
- Andon: University 1010 Guest Speaker, October 29, MTSU Campus, Tenn.
- Andon: University 1010 Guest Speaker, October 31, MTSU Campus, Tenn.
- Brown, Green and Andon: Leadership Rutherford Visit, February 13, MTSU Campus, Tenn.
- Green: Motlow State Community College CIM Presentation, February 21, Motlow Smyrna, Tenn.
- Green: East Ridge High School College Fair, February 28, Chattanooga, Tenn.
- Troy Oliver, CIM Alumni: CEFGA College Fair, March 21-22, Georgia Convention Center, Atlanta, Ga.
- Yang and Andon: Scholars Day, April 2, MTSU Campus, Tenn.
- Green: CIM Presentation to Cane Ridge High School visitors, April 24, MTSU Campus, Tenn.
- Brown, Bradford, Green and Andon: CIM Women's Luncheon, April 24, MTSU Campus, Tenn.
- All: Senior Dinner, Board Meeting and CIM Golf Tournament, May 1, Murfreesboro, Tenn.
- Green: MTSU Customs Ports of Call, May 22, MTSU Campus, Tenn.
- Huddleston: MTSU Customs Ports of Call, May 30, MTSU Campus, Tenn.
- Huddleston: MTSU Customs Ports of Call, June 5, MTSU Campus, Tenn.
- Huddleston: MTSU Customs Ports of Call, June 11, MTSU Campus, Tenn.
- Huddleston: MTSU Customs Ports of Call, June 14, MTSU Campus, Tenn.
- Green: MTSU Customs Ports of Call, June 18, MTSU Campus, Tenn.
- Ahmed: Higher Education Consultants Association Luncheon, June 21, MTSU Campus, Tenn.
- Green: Higher Education Consultants Association Luncheon, June 25, MTSU Campus, Tenn.
- Green: Interview for Concrete Contractor article magazine on Young Worker Safety, June 25, <http://www.forconstructionpros.com/10976590>
- Green: MTSU Customs Ports of Call, June 26, MTSU Campus, Tenn.
- Green: American School Counselor Association Annual Conference, June 29-July 2, Philadelphia, Pa.
- Green: MTSU Customs Ports of Call, July 9, MTSU Campus, Tenn.
- Brown: ACE Camp for high school students, July 10-12, MTSU Campus, Tenn.
- Green: MTSU Customs Ports of Call, July 19, MTSU Campus, Tenn.
- Green: Mastering Marketing, Branding and Networking Workshop, July 19, Rutherford County Chamber of Commerce, Tenn.
- Green: Luncheon for MTSU Admissions Counselors – 7/17/13 and 7/19/13, MTSU Campus, Tenn.

- Green: MTSU Customs Ports of Call, July 24, MTSU Campus, Tenn.
- Huddleston: MTSU Customs Ports of Call, July 30, MTSU Campus, Tenn.

SERVICE

- Green: Rutherford County Chamber of Commerce Women's Luncheon, November 1, Embassy Suites, Tenn.
- Green: University 1010 curriculum committee meeting, December 7, MTSU Campus, Tenn.
- All CIM Staff: TCA Concrete Décor Show Awards Judging, December 12, MTSU Campus, Tenn.
- Green: University 1010 curriculum committee meeting, January 25, MTSU Campus, Tenn.
- Green: University 1010 curriculum committee meeting, February 21, MTSU Campus, Tenn.
- Expanding Your Horizons Teacher
- Cane Ridge High School Partner (Metro Career Academies)
- Secretary of National Pervious Concrete Pavement Association
- Assisted the creation of new student club – CSI – Construction Specifications Institute
- Mentored 8th graders in local Science Olympiad competition
- Organized 7th Annual Women In Concrete Luncheon
- CIM NSC Auction Committee member
- CIM NSC Long Range Planning Committee member
- CIM NSC Education Committee member
- ASCC Emerging Leaders Committee member
- Concrete Cares Campaign – 50 States, 50 Pours
- MTSU Healthy Homes Committee
- ACI 522 Pervious Concrete Committee
- ASTM C09.49 Pervious Concrete Committee
- ACI Certifications Committee
- Keynote/Invited speaker
- TCA Summer Convention
- AL/MS Summer Convention
- Sundek Conference
- KRMCA Convention
- TCA Annual Convention
- World of Concrete
- TN CPAT Conference
- Nashville State Science Student Association Lunch and Lecture Series
- Tennessee Concrete Association Decorative Concrete Award Judging
- Fiber Reinforced Concrete Association Fiber Project of the Year Judging
- Dr. Brown - Holcim Gygi von Wyss Scholarship Selection Committee

RECRUITING EVENTS

COMPANY	SOCIAL DATE	INTERVIEWS
Kiewit	9/12/2012	9/13/2012
Lithko	9/25/2012	9/26/2012
W.R. Grace	10/4/2012	
Turner Construction	10/9/2012	10/10/2012
Lafarge	10/10/2012	
Argos	10/30/2012	10/31/2012
Holcim	11/5/2012	
CIM Networking Event	11/6/2012	
Bell/Clark Construction	11/6/2012	
Building and Earth Sciences	11/6/2012	
Ceco Concrete Construction	11/6/2012	
Cemex	11/6/2012	11/6/2012
ELE International	11/6/2012	
Gerdau	11/6/2012	
Holcim	11/6/2012	11/6/2012
IMI	11/6/2012	11/16/2012
Interstar	11/6/2012	
Lehigh Hanson	11/6/2012	11/6/2012
Turner Construction	11/6/2012	
Vector Group	11/6/2012	
Chaney Enterprises Social	11/13/2012	11/14/2012
Dolese Brothers	1/31/2013	2/1/2013
Vector Group	2/26/2013	2/27/2013
Chaney Enterprises Social	3/5/2013	3/6/2013
Lithko Contracting	3/19/2013	3/20/2013
Internship Interview Day	3/21/2013	
Hyde Concrete	3/21/2013	3/21/2013
Lafarge	3/21/2013	3/21/2013
Maschmeyer	3/21/2013	3/21/2013
Nashville Concrete Artists	3/21/2013	3/21/2013
Oldcastle	3/21/2013	3/21/2013
Schneider Contracting	3/21/2013	3/21/2013
Southern Concrete Products	3/21/2013	3/21/2013
Cemex		3/27/2013
Tekla	4/4/2013	4/5/2013
Bama Concrete		4/17/2013
Brooks & Mazzola		4/23/2013
Rogers Group	4/23/2013	4/23/2013
Sundek		5/2/2013
A.G. Peltz		5/8/2013

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Job Postings

- 205 positions received
- 171 full-time openings, 27 internships, 7 part-time jobs
- 60 positions in the state of Tennessee
- 38 companies posted multiple positions, 136 unique companies posting at MTSU

Internships

- 75 CIM students conducted internships around the country in 2012-13
- Received \$41,983 in funding from the Tennessee Small Business Development Center to provide 13 students with local paid internships in summer 2012.
- Kentucky Veteran's Center, volunteer project with three CIM students, May 13-16, 2013, Hansen, Ky. http://www.forconstructionpros.com/press_release/10948830/volunteers-install-decorative-concrete-at-kentucky-veterans-center

A.G. Peltz	Forst Consulting	Penhall
AAA Concrete	Garden State Precast	Pine Bluff Materials
ACME Block & Brick	Gate Precast	PMSI
Active Minerals	Genest	Port Authority of NY & NJ
Adjustable Forms	GEOservices, LLC	Power Curbers
Advance Ready Mix	Gerdau	Prestress Services Industries
Advance Testing	Green and Safe	Proshot Concrete, Inc.
AGC of TN	Hannah Constructors	Questmark
Agri America	Haynes Group	R&W Concrete Construction
Allen Engineering	Hilltop Basic Resources	RCC Construction
Apex Construction Services, LLC	Holcim	Real Green Solutions
Atlantic Contracting	Ikon Construction	recruiter - Aerotek
Bama Concrete	Illinois Ready Mixed Concrete Assn.	recruiter - Andress
BASF	IMI	recruiter - Nuwest
Batten & Shaw	Integratation Concrete	recruiter - O'Day
Bauer Foundation	Interstar	recruiter - Pennington
BKA Construction	IRMCA	recruiter - Ritner Day
Blastrac	Joseph Construction	Rinker Materials
Bonded Concrete	Josh LeFevre Construction	Rite Rug Flooring
Breckenridge Material Company	Kienstra Concrete	Rotondo Weirich
Brooks & Mazzola	Lafarge	Ruby Concrete
BT Redi Mix	Lakeside Ready Mix	Rutherford Co. ReStore
Building & Earth Sciences	Lambcon Ready Mix/Bradley Concrete	S&ME

Buzzi Unicem	Lehigh Hanson	Schuster Concrete
Canant Concrete	Lifestyle Communities	Seretta Construction
Canyon Contracting	Lindsay Precast	Sherman Dixie
Ceco Concrete Construction	Lyman-Richey	Silvi
Cemex	M.E.M. Concrete	Silvi Concrete
Chaney Enterprises	Martin Marietta Materials	Southern Concrete Products
Clemons Concrete Coatings	Mayer Brothers Precast	Standard Concrete
Columbia Precast	McCarthy Improvement Company	Structural Technologies
Commercial Ready Mix Products, Inc.	Metro Ready Mix	Sundeck Dealer
Contractors Supply and Equipment	Metromont	Supply Depot
Craighead Development	Midsouth Construction LLC	T&T Construction
Delaware Valley Concrete	Nairn Concrete	TCA
Delta Performance	Nelson Testing Laboratories	Terracon
Diaz Architects	NVR, Inc.	Thomas Concrete
Dubrook Inc	Oakley Construction	Thompson Machinery
Dugan & Meyers	Oldcastle	Utility Concrete Products
Dukane Precast	Oldcastle/Bonsal American	Vanhoooseco
DVC	Orange County Structures	W.R. Grace
Enterprise Properties	Ozinga	Wilson Ready Mix
Euclid Chemical Company	Patriot Engineering	Wolfe and Travis Electric
Farrer Brothers	Patriot Ready Mix	Zahner Hansen Construction
Ferrara Brothers	Pavestone	Zimmerman Industries
Foley Products		

FINANCIAL INFORMATION

INCOME	Patrons	\$69,670
	Scholarships	\$54,633
	National Steering Committee	\$100,000
	University Funding	\$618,950
	Total Income	\$843,253
EXPENSES	Salaries	\$575,231
	Operating	\$99,329
	Travel	\$59,529
	Scholarships	\$54,633
	Total Expenses	\$788,722



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**DR. MOHAMED
MAHGOUB**
NJIT CIM
Program Director

ENROLLMENT AND GRADUATES

Program Enrollment:

	2011-12	2012-13	Net Change
Freshman	14	17	+3
Sophomore	7	17	+10
Junior	14	22	+8
Senior	15	16	+1
Total Enrollment	50	72	+22

Number of Graduates:

Spring 2013: 4 graduates
Summer 2013: 2 graduates

NJIT CIM PATRONS BOARD

- Jamie Gentoso, Director of Sales and Marketing, Sika Corporation
- Larry Silvi, President, Silvi Group Companies
- Bill Layton, Executive Director, New Jersey Concrete & Aggregate Association

SCHOLARSHIPS

The CIM Patrons awarded \$10,000 in scholarships during the 2012-2013 academic year.

JOB PLACEMENT

We are pleased to report that 100 percent of spring and summer 2013 graduates looking for industry jobs have been placed.

INTERNSHIPS

Undergraduate internships were coordinated by Dr. Mahgoub with the following companies:

- Eastern Concrete
- Hycrete
- Sika
- Beyond Concrete
- Creter Vault
- Solidia Technologies
- Cambridge Pavers
- Garden State Precast
- JM Lifestyles
- County Concrete
- Silvi Concrete

STUDENT PROJECTS/ CERTIFICATIONS

- ACI Field Testing Technician Grade I, provided by the NJ ACI Chapter
- ACI Concrete Competition “Egg Protection Device” Fall 2012
- ACI Concrete Competition “FRP Beam” Spring 2013
- Concrete Cares Project, World of Concrete, January 2013
- Renewing Roots “Earth block” Construction Project – St. Louis, Mo.

AWARDS

- American Concrete Institute - Excellent University of the Year Award, 2012-2013
- 3rd place ACI “Egg Protection Device” Competition - Fall 2012, Toronto, Canada

INDUSTRY SPONSORED SOCIALS, GUEST SPEAKERS, AND FIELD VISITS

- Tilcon
- Eastern Concrete
- Proactive Safety Solutions
- Resource Management Associates
- Hycrete

- LaFarge
- BASF
- Silvi
- Renewing Roots
- Advanced Concrete Technologies
- Mapei
- Titan America
- Intelligent Concrete
- Em[Power] Energy Group
- Grace
- County Concrete
- Beyond Concrete
- Lafarge
- Garden State Precast
- Cambridge Pavingstones
- Tekla
- Ruttura & Sons
- Salomone Redi-Mix
- Nycon Supply
- Weldon Materials

INDUSTRY ORGANIZATION SUPPORTERS

- American Concrete Institute (ACI)
- NJ ACI Chapter
- International Concrete Repair Institute (ICRI)
- Metro NY ICRI Chapter
- National Ready Mixed Concrete Association (NRMCA)
- New Jersey Concrete & Aggregate Association (NJCAA)
- National Precast Concrete Association (NPCA)
- Northeast Precast Concrete Association (NEPCA)
- American Society of Concrete Contractors (ASCC)
- Tristate Concrete Pipe Association

MARKETING ACTIVITIES

- Anlee Orama, CIM Specialist, is spearheading the marketing segment of the CIM program focusing on increasing enrollment, patron involvement, student participation, and more.
- Student enrollment has increased from 50 to 72 students. The spike in enrollment was sourced primarily from high school students, internal transfers, and community college students. CIM marketing materials are continually distributed in all applicable venues. CIM student participation in all events has been an influential factor in our success.
- Numerous contacts have been made with counselors, teachers, and coordinators in the high school setting, community college, and internal setting which will enable the current momentum to continue with more energy throughout the next year.
- Four newsletters have been electronically mailed to all northeast

industry contacts and patrons. Hardcopies were also distributed to the students interested in the program.

- CIM Flickr account has been created to more efficiently organize photographs of all CIM activities and events and also provide ease of viewing at all times for the CIM community. The link is as follows: <http://www.flickr.com/photos/68318880@N02/>
- CIM has been marketed outside New Jersey in Pennsylvania and New York successfully. We entered the New England territories via New Hampshire to attend the NEPCA conference.
- NJIT offers in-state tuition rates to all students in the CIM program no matter what their state of residence.

PROFESSIONAL ACTIVITIES

- Job and internship placements were maintained at a 100 percent rate which is a great success in this economy.
- NJACI continues to provide free ACI certifications to our students.
- The ACI student chapter participated in two ACI international competitions and was named Excellent ACI University for 2012.
- CIM students attended eleven conferences including ACI, ASCE, NJCAA, NRMCA, World of Concrete, NPCA, and ICRI.
- Dr. Mahgoub traveled to China and Mexico to participate in concrete industry related conferences. He discussed the CIM program at both conferences.

PROGRAM SUPPORT

- The annual fund from the national patrons.
- The annual Northeast Patron's Scholarship Benefit Fundraising Dinner is held in February and was attended by the governor of Pennsylvania.
- Scholarship programs available to CIM students include: Silvi Scholarship, Sika Scholarship, and CIM Northeast Patrons Endowed Scholarship.

PATRON INVOLVEMENT

Patron involvement with the CIM program continues to be the driving force of our success. Their unwavering support, sacrifice of time, and strong investment in the program cannot be thanked enough. A few examples of patron support are listed below.

- Offer CIM students internships, co-ops, and full-time employment opportunities.
- Provide CIM students with a golden opportunity to network and a chance to better understand their career potential. This happens during conferences, socials and organizational activities.
- Keep the students engaged, and encourage and guide them as they progress through their studies by being mentors.
- Provide support to undergraduate concrete research through supplies, donations and guidance.
- Distribute approximately \$10,000 in scholarship funds.

- Allow plant tours, hold socials and offer guest lecturers and field visits.
- Host the bi-annual Northeast CIM Patrons' meeting.

RESEARCH

- Undergraduate: The use of interlocking soil/cement blocks in modern urban construction
- Undergraduate: Calculating the percentage of fines in fine aggregate (sand)
- Undergraduate: The performance of new composite concrete flooring in residential buildings
- Undergraduate: Optimization of modulus of elasticity of concrete through empirical blending of coarse aggregate

COMMITTEES

- Dr. Mahgoub has been appointed Chair of ACI Committee 555 (Concrete with Recycled Materials).
- Dr. Mahgoub is a member of the following American Concrete Institute (ACI) committees:
 - 130 (Sustainability of Concrete)
 - 342 (Evaluation of Concrete Bridges and Bridge Elements)
 - 343 (Concrete Bridge Design) - a joint committee between ACI-ASCE (American Society of Civil Engineers)
 - 440 (Fiber Reinforced Polymer Reinforcement)
 - 555 (Concrete with Recycled Materials)
- Dr. Mahgoub is also a member of ASCE, PCI and ICRI.
- For the second year in a row, Dr. Mahgoub has been selected to be a judge in the annual New Jersey ACI (NJACI Chapter) 2013 New Jersey Concrete Awards.
- Dr. Mahgoub is the advisor of the ACI student Chapter at NJIT.

PUBLICATIONS

Special Publications

- Mahgoub, M., and Salama A. (in-review). Chapter 4: Basis of Code Criteria for Transverse Live Load Distribution. Chapter of ACI special publication. Live Load Distribution for Existing Bridge Evaluation. American Concrete Institute, ACI, Committee 342: Evaluation of Concrete Bridges and Concrete Bridge Elements.
- Mahgoub, M. (in-review). Structure in Service. A Chapter of ACI special publication. Concrete Sustainability. American Concrete Institute, ACI, Committee 130C: Structures in Service.
- Mahgoub, M. (in-review). Structure in Service. A Chapter of ACI special publication. Removal and Reuse of Hardened Concrete. American Concrete Institute, ACI, Committee 555: Concrete with Recycled materials.

Refereed Journal Papers

- Bayoumi, A, and Mahgoub, M. The Mold Test: A Proposed Test Method for Rapid Measurement of Approximate Fines Content in Non-Organic Soils. American Society For Testing and Materials, ASTM, Geotechnical Testing Journal. (Accepted for publication).
- Bayoumi, A, Zidan, A, and Mahgoub, M. (in-review). A Survey-Based Insight for Restructuring Concrete Business In The New Residential Communities In Egypt. International Journal of Industrial Engineering: Theory, Applications and Practice. (submitted in February, 2013).

Professional Presentations

- Mahgoub, M. (2013). Recycled materials in concrete: projects, specifications, risks and benefits. Foro Internacional Del Concreto: Challenges and Opportunities of Sustainable Concrete, May 28-30. Mexico City, Mexico.
- Mahgoub, M. (2012). Autoclaved Aerated Concrete. China-US Bo'ao Manufactured Stone Conference, November 11-12. Zhengzhou, Henan, China.

Proposals

- New Jersey Department of Transportation, (NJDOT) "Evaluation of Surface Resistivity Indication of Ability of Concrete to Resist Chloride Ion Penetration," May 2013.
- National Science Foundation, NSF, (STTR) "Silica Nanoparticles to Mitigate the Impact of Alkali Silica Gel and Increase the Sustainability of Concrete," February 2013.
- Environmental Research & Educational Foundation (EREF), "Technical and Economic Feasibility Study of Using Recycled Concrete Aggregate in Producing High Performance Concrete," Jointly with Texas State University, January 2013.
- Qatar National Research Fund (QNRF) "Structural Health Monitoring Using Wireless Sensor Networks," Jointly with Qatar University and University of Memorial, January 2013.

FINANCIAL INFORMATION

INCOME	Northeast Patrons	\$50,000
	National Steering Committee	\$100,000
	University (in-kind, not included in total)	\$50,000
	Scholarships	\$10,000
	Total Income	\$210,000

EXPENSES	Salaries	\$11,250
	Operating	\$125,750
	Travel	\$50,500
	Scholarships	\$10,000
	Total Expenses	\$197,500





TEXAS STATE UNIVERSITY

The rising STAR of Texas

Department of Engineering Technology
601 University Drive • San Marcos, TX 78666 • (512) 245-2137

Texas State University's more than 35,000 students choose from 96 bachelor's, 86 master's and 12 doctoral degree programs including the concrete industry management program. Since adding CIM to their curriculum in the fall of 2008, TSU is proud to have graduated 17 students in CIM.



DR. VEDARAMAN SRIRAMAN
TSU CIM
Program Director

ENROLLMENT AND GRADUATES

Program Enrollment:

	Fall 2009	Spring 2010	Spring 2011	Spring 2012	Spring 2013
Texas State University	30,805	29,275	31,015	32,001	32,126
Department of Engineering Technology	436	425	444	493	516
CIM Program	13	21	41	56	51

PROGRAM ACCREDITATION

The CIM program at Texas State received the NSC accreditation site visit in June 2013. This was a very productive visit in which the NSC

met with several members of the upper administration to include the President, the Provost and Vice President for Academic Affairs, and the Dean of the College of Science and Engineering. The site team also met with members of Texas State CIM Patrons, the Chair of the Department of Engineering Technology, the Program Director of the CIM program, faculty and students. The NSC Board meeting took place at Texas State immediately following the accreditation site visit.

PROGRAM PERSONNEL UPDATE

- A national search process has been initiated for the purpose of recruiting a permanent Program Director for the CIM program. The successful candidate is expected to join Texas State in Fall 2014.
- We have successfully concluded a national search for the third CIM program faculty member. Dr. Anthony Torres joined Texas State CIM program in Fall 2013. Dr. Torres graduated from University of New Mexico, with a Ph.D. in Civil Engineering. He has experience working for and managing his family's construction welding business.

PROFESSIONAL ACTIVITIES

Ongoing Research

- J. Hu, D. Fowler, S. Lee, Y. Kim, and D. Whitney, "Feasibility Study of Two-Lift Concrete Paving", TxDOT (RTI 0-6749), September 2012-August 2013, Amount: \$136,947.
- Y. Lu, D. Tamir, J. Hu, and H. Shi, "Automated Crack Documentation Using Digital Images-Scoping Study", TxDOT (RTI 0-6789), September 2012-August 2013, Amount: \$94,376.
- Y. J. Kim, J. Hu, and S.J. Lee, PI, "Synthesis on Geosynthetic-Reinforced Steep Slopes", TxDOT (0-6792), September 2012-August 2013, Amount: \$49,995.
- Y. Kim and J. Hu, "Development of Sustainable Concrete with Recycled Carpet Fiber Reinforcement and Recycled Concrete Aggregate", Office of Sponsored Programs (OSP), 2013, Texas State University-San Marcos, TX. Amount: \$16,000.
- S.J. Lee, J. Hu, and Y. J. Kim, "Development of Low-Carbon Low-Cost Asphalt Pavement: Evaluation of New Additive for Crumb Rubber Modified Asphalt Binders, Korea Institute of Construction Technology (KICT), 2013, Amount: \$19,355, February 2013 – November 2013.

Pending Proposals

- J. Hu, M. Mahgoub, and Y. Kim, Environmental Research & Education Foundation, "Technical and Economic Feasibility Study of Using Recycled Concrete Aggregate in Producing High Performance Concrete" to be submitted to the Environmental Research & Education Foundation, January 2013, Amount: \$169,649.

- Bahram Asiabanpour, Salamy Hassan, Y. Kim, Jesus Jimenez, Semih Aslan, and Araceli Ortiz, "REENERGIZE: Attraction, Recruitment and Retention of Students in STEM Programs through Renewable Energy Research and Education Partnership with Five Minority-Serving Institutions" Submitted to MSEIP Program, U.S. Department of Education, May 2013, Amount: \$607,554.

PUBLICATIONS AND PRESENTATIONS

Publications

- J. Hu, Y. Kim and S. Lee, "Behavior of Self-Consolidation Concrete with Recycled Concrete Aggregate", Fifth North American Conference on the Design and Use of Self-Consolidating Concrete (SCC2013), May 2013, Chicago, Ill.
- J. Hu, Z. Wang and Y. Kim, "Feasibility study of using fine recycled concrete aggregate in producing self-consolidation concrete", Journal of Sustainable Cement-Based Materials, vol. 2, No. 1, 2013.
- J. Hu, K. Wang, J. A. Gaunt, "Behavior and Mix Design Development of Concrete Made with Recycled Aggregate from Deconstructed Lead-Contaminated Masonry Materials", Construction & Building Materials, v40, 2013, pp. 1184-1192.
- J. Hu, K. Wang and Z. Ge, "Study of concrete thermal properties for sustainable pavement design", Journal of Sustainable Cement-Based Materials, vol. 1, No. 3, 2012.
- Y. Kim, S.-J. Lee, and A. Kotwal, "Stiffness prediction of recycled aged CRM binders using an artificial neural network." International Journal of Pavement Research and Technology, (accepted for publication).
- S. Lee, Y. Kim, A. Kotwal, and C. Humphries, "Modeling rutting properties of rubberized asphalt concrete mixtures." Journal of Advanced Construction Materials (accepted for publication).
- A. Kotwal, S. -J. Lee, and Y. Kim*, "Traffic Signal Systems: A Review of Current Technology in the United States." Science and Technology, Vol.3, No.1, 2013. pp. 33-41 doi:10.5923/j.scit.20130301.04.

Presentations

- J. Hu, Y. Kim and S. Lee, "Behavior of Self-Consolidation Concrete with Recycled Concrete Aggregate", Fifth North American Conference on the Design and Use of Self-Consolidating Concrete (SCC2013), May 2013, Chicago, Ill.

COMMITTEES

Dr. Hu is a member of the following technical committees:

- Transportation Research Board (TRB) Committee:AFN20 Properties of Concrete
- ACI Committee: 130 Sustainability of Concrete; 237 Self-

Consolidating Concrete; 238 Workability of Fresh Concrete; 555 Concrete with Recycled Materials (Secretary)

- Texas Department of Transportation (TxDOT) Research Management Committee (RMC) Technical Advisory Panel (TAP) Member (RMC 1 - Construction and Maintenance, RMC 5 - Structures and Hydraulics)

Dr. Kim is a member of the following technical committees:

- Precast/Prestressed Concrete Institute - Seismic Design Committee
- Precast/Prestressed Concrete Institute – Industry Design Handbook Committee
- Texas Department of Transportation (TxDOT) Research Management Committee (RMC) Technical Advisory Panel (TAP) Member (RMC 5 - Structures and Hydraulics)

PROGRAM SUPPORT

Scholarships

- Eight CIM majors (Hayden Mitchell, Santos Verdin, Andrew Mouser, Marcus Flores, Isaac Cedillo, Nicholas Nelson, Cody Houser, David Mack) received CIM scholarships ranging from \$1,000 to \$2,500 (for a total of \$15,000) in Spring 2013. The scholarships were presented to the recipients during the Department Awards Day in April. These scholarships were made possible by virtue of funds provided by the Texas State Patrons.

MARKETING ACTIVITIES

- Texas State Construction & Concrete Industries Job Fair was held on October 25, 2012 and February 14, 2013 in the Texas State University LBJSC Ballroom.
- The Department of Engineering Technology hosted an Open House during “Discover Texas State” on September 30, 2012. Close to 150 elementary, middle school, and high school students and parents visited the Concrete Laboratory.
- On November 29, 2012, a social event was hosted at the Embassy Suites Hotel, in San Marcos by the patrons for CIM majors and members of the concrete industry.

STUDENT PROJECTS

- CIM students (Cody Houser, Eric Adams, Alex LaButis, and Andrew Mouser) represented Texas State in the Fiber Reinforced Concrete Competition and the new Mortar Workability Competition in the ACI Spring Convention in Minneapolis in April, 2013.
- CIM students (Marcus Flores, Kevin Clare, Cody Houser, Nathan Grosch and Eric Adams) represented Texas State and participated in the Egg Protection Device (EPD) Competition in the ACI Fall Convention in Toronto in October, 2012.

- The first annual Concrete Art Craft and High Strength Concrete (HSC) Competition associated with the CIM 3420 Fundamentals of Concrete: Properties and Testing course was hosted at Texas State in April, 2013.
- The Concrete Distress and Deterioration Field Hunting activity associated with CIM 4340 Concrete Problems: Diagnosis, Prevention and Dispute Resolution course was hosted at Texas State in February, 2013.
- The TACA Lightweight Concrete Placard Competition associated with CIM 4340 Concrete Problems: Diagnosis, Prevention and Dispute Resolution course was hosted at Texas State in May, 2013.
- Third annual Concrete Problems and Repair Case Studies Term Project and Poster Competition associated with CIM 4340 Concrete Problems: Diagnosis, Prevention and Dispute Resolution course was hosted at Texas State in May, 2013.
- The Capstone class hosted the term project presentations at the Embassy Suites Hotel, in San Marcos on November 29, 2012. More than 30 industry guests attend the event. A social event was hosted following the presentations.

STUDENT EDUCATIONAL ACTIVITIES

- Eight CIM students (Scott Perez, Brent Pruski, Kenneth Raney, Kevin Su, Paxton Parker, Eric Adams, Nick Nelson and Marcus Flores) attended World of Concrete 2013. They attended professional seminars and assisted with CIM events including the CIM booth and the auction.
- Five CIM majors (Marcus Flores, Cody Houser, Eric Adams, Nathan Grosch and Kevin Clare) attended the ACI Fall Convention in Toronto in October, 2012.
- Four CIM majors (Cody Houser, Eric Adams, Andrew Mouser, and Geoffrey LaButis) attended the ACI Spring Convention in Minneapolis April, 2013.
- Four CIM students (Eric Adams, Geoffrey Labutis, Ryan Rolison, and Nathan Grosch) attended the NRMCA Annual Convention 2013 in San Antonio, TX. They attended professional seminars.
- Thirteen CIM majors took and passed the ACI Field I Certification exam in Texas State's Concrete Lab on April, 2013 with the assistance from the ACI Central Texas Chapter.
- Approximately 16 CIM majors received internships for the summer of 2012.
- Approximately 15 CIM majors participated in a lab visit to Boral Material Lab in San Antonio, Texas on September 6, 2012.
- CIM and CSA students joined hands with the Texas Ramps Group to build a handicap ramp in Buda, Texas on December 15, 2012.
- Approximately 15 CIM and CSA Students participated in a jobsite visit involving Sage Capital Bank in San Marcos, Texas on

ANNUAL INSTITUTIONAL CIM PROGRAM REPORT 2012-2013



June 11, 2013.

- Approximately 15 CIM and CSA students participated in a job-site visit at the North Building Residence Life Housing Project - West Campus in San Marcos, Texas on June 14, 2013.
- Approximately 15 CIM and CSA students participated in a job-site visit at the South Building Residence Life Housing - West Campus in San Marcos, Texas on June 21, 2013.

INVOLVEMENT OF THE PATRONS/ INDUSTRY

- Texas State Patrons met on September 28, 2012, February 14, 2013 and April 19, 2013 in San Marcos, Texas.
- Both ACI San Antonio and Central Texas Chapter provided support for scholarships.
- Provided speakers for the ACI student chapter.
- Provided CIM students the opportunity to participate in industrial plant visits.
- 14 industrial guest speakers made presentations in CIM courses.
- Provided internship opportunities.
- Provided supplies for our concrete testing lab.
- Assisted with fund generation and recruitment.

FINANCIAL INFORMATION

INCOME	Texas State Patrons	\$30,000
	National Steering Committee	\$60,000
	TSU Operating Budget	\$298,608
	Total Income	\$388,608
EXPENSES	Operations (travel, materials, equipment, etc.)	\$99,029
	TSU Faculty Salaries	\$213,608
	Scholarships	\$15,000
	Total Expenses	\$327,637

OTHER NEWS

- Our ACI student chapter received the ACI Excellent University recognition for 2012. This is the third year in a row that the student chapter has been so recognized. The chapter was recognized at the ACI Spring Convention at Minneapolis in April, 2013.
- New Texas State ACI Student chapter officers were elected on April 25, 2013. Officers for school year 2013-2014 are: Justin Dickey (President), Alex LaButis (Vice- President), James McNeill (Treasurer), Santos Verdin (Secretary) and Paul Skogen (Appointments). Faculty advisor: Dr. Jiong Hu.





ERIC ADAMS,
TSU

What school are you currently attending and when is your intended graduation date?

I am currently attending Texas State University with an intended graduation date of December, 2013.

Why did you choose this university and the CIM program?

Honestly, I chose Texas State because of the river and all the outdoor activities; you cannot beat the Texas Hill Country. I had an interest in the CIM program because of the specialized degree and I saw all the opportunities available with such a new program

How has the CIM program prepared you for your upcoming graduation and entrance into the business world?

The CIM program has prepared me by giving me an understanding of both the science of concrete and the business aspects of the industry. I am confident that the skills and knowledge I have gained in the program will help ease my transition into the workforce.

What advice would you give to other current CIM students?

My best advice to current students would be to get involved and stay active in the program. Networking is your most valuable resource.

The CIM program works with businesses in providing summer internships. Have you been able to take advantage of that program or any other special program to develop your industry knowledge?

I had my internship this summer with Professional Services Industries, Inc. in Austin, Texas where I was a Field Technician. This was a great opportunity to gain hands on experience and to get a feel for what the industry has to offer. There is only so much you can learn from textbooks.

Have you been able to interact with the CIM patrons at your school? If so, in what capacity?

The CIM Patrons at Texas State have continually showed their support by being more than willing to help students with any question or project at hand. There are a lot of extracurricular activities at Texas State that would not be possible without the support of our patrons.

The CIM program has prepared me by giving me an understanding of both the science of concrete and the business aspects of the industry.

Many people have different majors they choose from, such as architecture, biomedical engineering, or computer science. The major that really stood out to me was civil engineering and that's why NJIT was my first choice.



**NARGUIS
BENYAMIN,
NJIT**

What school are you currently attending and when is your intended graduation date?

I am currently attending New Jersey Institute of Technology and my intended graduation date from the CIM program is January, 2014. In May 2013, I graduated with a degree in Construction Management Technology (CMT). I saw all the great opportunities I would have and my CIM advisor, Dr. Mahgoub, gave me that chance when he accepted me into the program.

Why did you choose this university and the CIM program?

Many people have different majors they choose from, such as architecture, biomedical engineering, or computer science. The major that really stood out to me was civil engineering and that's why NJIT was my first choice. I entered in the civil engineering program and then switched over to the CMT and CIM program because it was a challenge.

How has the CIM program prepared you for your upcoming graduation and entrance into the business world?

The CIM program has prepared me for my upcoming graduation and entrance into the business world through all the hands-on classes and by participating in the ACI NJIT Student Chapter, the CIM patrons meetings and ACI dinner meetings. Attending and participating in these events gave me a unique opportunity to learn and lead. Being the vice president for the ACI NJIT Student Chapter, I had the opportunity to compete in competitions at the ACI conventions. I've competed in the Fiber-Reinforced Polymer (FRP) competition and the Art of Concrete competition last spring at the ACI Convention in Minneapolis.

The CIM program works with businesses in providing summer internships. Have you been able to take advantage of that program or any other special program to develop your industry knowledge?

Yes, I have taken advantage of that program and I have an amazing internship in Quality Control at Creter Vault Corporation. My internship prepared me for life after college by exploring a career in the concrete industry before committing to it and discovering what I am interested in doing in the industry. I also get to expand my list of career contacts. I would encourage all CIM majors to participate in this valuable pre-professional experience.

Have you been able to interact with the CIM patrons at your school? If so, in what capacity?

Yes, I have had the opportunity to interact with the CIM patrons at NJIT and that's when I met Richard Creter, owner of Creter Vault Corporation. I have also met many more patrons and NJIT alumni through various networking events.



IAN HYDE,
MTSU

What school are you currently attending and when is your intended graduation date?

I am attending Middle Tennessee State University and plan to graduate in December 2013

Why did you choose this university and the CIM program?

I have always had an interest in construction and I worked for a local concrete contractor in Memphis for a summer job. Knowing I wanted to pursue a degree in construction and also having experience in concrete, I spoke with people in the construction and engineering industry for college advice when I learned about the CIM program at MTSU. I met with the MTSU CIM department and was sold on the program right away.

How has the CIM program prepared you for your upcoming graduation and entrance into the business world?

The CIM program does a great job in preparing their students for graduation and entrance into the industry. The mentoring I have received along the way from all of my CIM professors has

helped me be prepared for my graduation and also my career.

What classes have you enjoyed the most? The least?

Some of my most enjoyable classes have been my concrete labs, surveying, and field management, while some of my least favorite classes have been finance and accounting.

The CIM program works with businesses in providing summer internships. Have you been able to take advantage of that program or any other special program to develop your industry knowledge?

Yes I have had two summer internships with a concrete contractor in Memphis and four internships with Turner Construction in preconstruction, project engineering, and superintending.

Have you been able to interact with the CIM patrons at your school? If so, in what capacity?

Yes, I have had our patrons come and interact with several of my classes over the years, explain what they did as patrons, and ask students their views on classes and the program.

What advice would you give to other current CIM students?

The best advice I would give is for students to start their internships early doing whatever you can to gain as much experience as possible in the industry. The experience and connections you make during these internships are invaluable and will help you gain other internships while in school and job offers at graduation.

The best advice I would give is for students to start their internships early doing whatever you can to gain as much experience as possible in the industry.

I have had a lot of training in my life and I have found that it is often outdated or not applicable. CIM is always current, from brand new technologies or testing procedures to application techniques, to business approaches.



SETH MCINTOSH,
CSU

What school are you currently attending and when is your intended graduation date?

I am currently attending California State University, Chico and plan to graduate in 2014.

Where are you from originally?

Cottonwood, Ca

Why did you choose this university and the CIM program?

After completing my service in the United States Navy, I was looking for a university program that would lead to a career related to the construction industry. I saw a news segment on my local television station about the CIM program and the focus interested me. I chose Chico State after seeing Dr. Tanya Komas, CIM Program Director at Chico State, on the History Channel's "Life After People" series. CIM was the best decision I could have made. It has allowed me to build on my Navy background and has given me so much that will guide my future career and life.

How has the CIM program prepared you for your upcoming graduation and entrance into the business world?

I have had a lot of training in my life and I have found that it is often outdated or not applicable. CIM is always current, from brand new technologies or testing procedures to application techniques, to business approaches. The valuable internships help guide students in choosing the areas of the industry they would like to pursue. All of this makes a CIM graduate valuable and marketable as an employee in the concrete industry.

What advice would you give to other current CIM students?

I have had the privilege of traveling to industry conferences, meeting industry leaders, and participating in community service projects such as Habitat for Humanity. I would recommend that CIM students take advantage of as many industry and hands-on experiences they can.

The CIM program works with businesses in providing summer internships. Have you been able to take advantage of that program or any other special program to develop your industry knowledge?

I was fortunate to get to complete my internship with the Preservation Field School at Alcatraz. While there, I met many industry experts such as Peter Emmons and learned all about the repair side of the industry. It sparked my interest and I may pursue that direction as a career.



SARA ANDON,
MTSU

What school did you graduate from and in which year?

I graduated from MTSU with my CIM degree in the Fall of 2010 and continued my education and attained my Masters in Business Administration in the Spring of 2013.

What is your current position and responsibilities at Turner Construction?

I am currently serving Turner Construction as an Assistant Engineer at Saint Thomas Midtown Hospital in Nashville, Tenn. My responsibilities onsite are split between superintendent and engineering duties as necessary to maintain project quality and schedule, while keeping our construction presence minimally invasive to patients, visitors, and staff. An exciting element that my position offers is spontaneity. No one day or challenge is like the other.

Why did you choose this position and this company?

Through an interview opportunity with MTSU CIM, I had two internships with Turner that allowed me to understand their commitment to their three core values: teamwork, integrity, and commitment. I chose to work with Turner because these values

are not just jargon on a jobsite poster, but are made paramount daily. Executing these values has cemented Turner's reputation as one of the top building service providers in the world.

How has the CIM program prepared you for your current job responsibilities?

The CIM department at MTSU has had close ties to the concrete industry since its inception. Through those close ties, CIM has been able to create a curriculum that reflects needs in the industry which allows me and my fellow classmates the opportunity to make a substantial contribution to the workforce come graduation day. MTSU CIM has substantial industry support. With that, it generated on-campus interviews that landed me three internships while in school, two of which were with Turner Construction, my current employer. The devotion of the MTSU CIM faculty to educating students and career development has made transitioning into my career seamless.

Why did you choose the CIM program?

Not having any family ties to the concrete industry, I've been asked several times, "WHY pursue a career in a male dominated field like concrete?" An MTSU CIM staff member, Sally Bradford, introduced me to the program and its many job opportunities. After exposure to the industry through interviews, socials, and MTSU CIM Patron sponsored trips I fell in love with the hardworking, down-home mentality of the professionals that populate the industry. CIM has forged a distinctive presence that industry professionals respect and I am thankful to be counted among the MTSU CIM alumni working across the country.

What advice would you give to current CIM students?

Work hard in the classroom and pay attention to those sitting to your right and left. Your current classmates, in a few years, could very well be your next co-worker, boss, or company new hire.

CIM has forged a distinctive presence that industry professionals respect and I am thankful to be counted among the MTSU CIM alumni working across the country.

The CIM program has shown me the way corporations in the concrete industry operate. The program provides knowledge about the work place and what to expect out in the field.



ELVIS TORRES,
NJIT

short drive from NJIT. Later, I researched Sika and was impressed with the history of this 100-year-old business. I looked into an internship opportunity and was fortunate that one was open in the technical service department.

How has the CIM program prepared you for your current job responsibilities?

The CIM program has shown me the way corporations in the concrete industry operate. The program provides knowledge about the work place and what to expect out in the field.

What advice would you give to current CIM students?

Give it your best. I was a resident assistant at NJIT for three years, had an internship for two years, and always had a full load of classes. It can be done. Get the experience with companies that are involved with CIM. They are looking for motivated young individuals which is what the CIM program is producing!

What school did you graduate from and in which year?

I graduated from New Jersey Institute of Technology in the spring of 2013.

What is your current position and responsibilities?

I am a Technical Service Specialist for Sika Corporation at our U.S. North American headquarters in Lyndhurst, New Jersey. In my position, I am responsible for assisting the commercial refurbishment/sealing and bonding division with requests for information. I perform tests on our products to ensure they meet specifications listed on material safety data sheets. Testing is done on concept products that may be hitting the market and product samples are made to show customers how the product is placed and how it will look. In technical services, we also provide assistance to contractors, architects, engineers, and homeowners who have questions about our products.

Why did you choose this position and this company?

I first came to Sika Corporation on a class trip. We were shown a presentation on the different types of admixtures. While there, I liked the atmosphere and the location because it was a



**ROBERT
HOSTETTLER,
CSU**

What school did you graduate from and in which year?

I graduated from the CIIM program at California State University - Chico in May of 2011.

What is your current position and responsibilities at Triangle Rock Products?

I am currently the plant supervisor for Triangle Rock Products (Vulcan Materials Company) Sacramento Aggregates plant.

Why did you choose this position and this company?

I grew up with a ready-mix background - my father has worked for A&A Concrete Supply since I was young - and after graduation I wanted to see what else was out there besides ready-mix. I applied for an intern position with Vulcan my junior year and was hired on the week before graduation. I was hired by Vulcan as an operations trainee. After completing a three month internship and two year trainee program in Oroville, I was moved to our Sacramento plant and promoted to plant supervisor.

How has the CIM program prepared you for your current job responsibilities?

A large portion of my time in the CIM program at Chico State was spent working with and learning from industry leaders both local and abroad. During my four years in the program, I met many individuals from different sectors of our industry - some of whom I currently work with today. Having the opportunity to learn from the people who are leading our industry into the future was priceless. The experience was more than simply making contacts and collecting business cards - it was learning about the business, and what you need to know from the people who are leading the industry.

Why did you choose the CIM program?

I grew up in a concrete family, so when the CIM program started being offered at my local university, it was a no brainer!

What advice would you give to current CIM students?

If you are a student in the CIM program at Chico State there are a few things you need to know which will make your four years the most beneficial years of your life. Pay attention to all guest lecturers, professors, and faculty as these people have been strategically chosen to help YOU graduate with a base knowledge and work ethic that will make you extremely marketable to potential employers. Take full advantage of the required internship course. Your three month internship will by far be the most beneficial way for you to meet industry contacts, learn a specific business line in the concrete industry, and also a great way to find out your skills and your shortfalls. Be prepared to work! After graduation the transition from academia to the real world comes immediately and abruptly. Regardless of which sector of industry you choose, prepare your body and your mind to be at work early and to leave late more often than not.

After graduation the transition from academia to the real world comes immediately and abruptly. Regardless of which sector of industry you choose, prepare your body and your mind to be at work early and to leave late more often than not.

The internship and requirements of the department help graduates learn many soft skills that other current college graduates may be lacking.



NICOLE GREEN,
MTSU

Which CIM program are you involved with and what are your responsibilities?

I am the CIM Marketing and Recruiting Coordinator at MTSU. My primary responsibilities are to recruit new students into the program, connect current students and alumni with employers, and market the program, events and accomplishments to all CIM and MTSU constituents. In addition, I maintain the CIM website and social media outlets, schedule courses, plan events for the department including socials, the annual career fair and internship interview day, maintain and compile reports and assist with advising students as needed.

What interesting projects have your students been involved with during this last school year?

Our students do some really cool projects, but in regard to my job, we began teaching them resume writing and interviewing in CIM 4030, our Ethics & Professionalism course last year. As the final for the course, students do a mock interview for a position and company with a panel of professionals. I started the Internship Interview Day in Spring 2013 due to the large number of companies contacting the department for

summer interns. Companies send detailed job descriptions and the students select the companies that most interested them and I coordinated the rest. Companies come to campus and interview multiple candidates for their internship positions. We had seven companies and over 25 students take part in the interviews followed by lunch to network with the employers.

Can you describe the different career paths that graduates of the CIM program can take?

Students can concentrate their major in production, sales, and service (PSS) or concrete contracting (COCO). With PSS, students will be working in a variety of areas, usually within a ready mix plant or in a sales role. COCO only differs from PSS by seven classes, but includes skills such as surveying, estimating, project management, personnel management and field supervision and is more suited for students that have a desire to work with a general contractor or specialty contractor. Typically employers are open to seeing both concentrations. Within concrete and construction, I get a wide variety of job functions that prefer someone with the general knowledge our graduates gain from CIM. In the past year, I've posted positions such as Lab Manager, Environmental Compliance Supervisor, BIM Modeler, Auditor, and even Editor. Thus, I often describe the outcome of this degree to prospective students as choosing the industry you want to work in and we help you find the type of job that best suits the student within the industry.

What is unique about the graduates of the CIM program?

CIM graduates are set to start work immediately upon entering the workforce. They know a little about a lot as a result of the curriculum and the intensive 400-hour required internship. The internship and requirements of the department help graduates learn many soft skills that other current college graduates may be lacking. Our students understand the importance of getting to work on time, professional communication, and networking to build and maintain relationships.



**ANTHONY
TORRES, PHD,
TSU**

Which CIM program are you involved with and what are your responsibilities?

I joined the Department of Engineering Technology (Concrete Industry Management program) in August 2013 and presently teaching “Understanding the Concrete Construction System” at Texas State University.

Why should incoming students consider CIM as a major course of study?

The CIM program is a very unique program that will allow students to gain an essential advantage when working in the industry. Concrete is the most widely used building material and having a better understanding of the material will lead to more job opportunities and better advancement. Our graduating seniors go into the industry with better knowledge than most construction majors, as our students will have better expertise in the concrete construction process.

Can you describe the different career paths that graduates of the CIM program can take?

A student can choose to go straight into the construction industry after completing their CIM degree or choose to obtain an advanced degree – further broadening their concrete knowledge. These students have a unique edge on the standard construction degree, as they have a specialty in the most widely used building material.

What are your thoughts about the industry/academic partnership between CIM and its industry partners?

No other program has such a strong industry involvement. This leads to better job placement after graduation, improved curriculum development, and more focused research initiatives. Similar to industry involvement, the CIM patrons’ involvement enhances the students learning through financial support and focused research.

Why should companies in the concrete industry get involved in the CIM program?

By getting involved in the CIM program you can improve your employee recruitment, increase the quality of your employees, and have some input on what you feel the students should be learning so they are better prepared for the transition into the industry. Secondly, you can influence the CIM research efforts by providing input as to how you and your company can benefit from research.

What is your vision for the CIM program?

My vision for the CIM program is to increase enrollment and increase research production. First, more students enrolled will lead to more interest in scientific research. After the program grows, additional faculty can be hired, thus increasing research production.

No other program has such a strong industry involvement. This leads to better job placement after graduation, improved curriculum development, and more focused research initiatives.

I believe the blend of technical and management education, combined with quality industry interaction, not only prepares CIM students to become better leaders for our industry but also innovators.



GIL HELDENFELS,
TSU

industry but also innovators.

What is your involvement in the CIM program? Why did you get involved with the program?

I'm currently serving as Chair of the Patron's Board for the CIM program at Texas State University. I've been aware of CIM since its early days at Middle Tennessee State University and was always impressed by the emphasis CIM places on students connecting to the industry. The program had strong university and industry support in Texas so I was confident it would be successful. It has been an honor to work this esteemed group of industry members and faculty to help the program and students however I can.

Why have you and your company made the commitment to the CIM program? What benefits do you think it will bring to your company?

Like many in our industry, we recognized the need for a quality education that prepares future leaders specifically for our industry. One of our core values at Heldenfels Enterprises is innovation. I believe the blend of technical and management education, combined with quality industry interaction, not only prepares CIM students to become better leaders for our

What are your thoughts about the industry/academic partnership between CIM and its industry partners and patrons?

I believe the industry/academic partnership is crucial and sets CIM apart from other degree programs. It plays a key role in ensuring CIM students are better prepared to make an impact in whatever role they decide to take in our industry.

How can they get involved?

Companies and individuals that want to become involved in CIM can do so in a number of ways. While financial contributions to patrons groups are always appreciated, there are other ways to be involved that are just as important. They can offer summer jobs and internships, be guest lecturers for CIM classes, sponsor a Capstone class project, host facility or job site tours or assist students with their projects by supplying materials, equipment, or expertise. Also, whenever you see CIM students at industry events like World of Concrete, simply take some time to get to know them and talk to them about your company or job.

What is your vision for the CIM program?

I'd like to see CIM continue to grow at universities with existing CIM programs and at new universities across the country. Ultimately, I'd like CIM to have a common reputation among prospective students as an exciting field of study that is unique in its association with the industry and that provides rewarding career opportunities. I believe this is a true statement but we still have a lot of work to do to create that common awareness.



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PROVIDING THE MEANS TO ADVANCE CONCRETE CONSTRUCTION



**The following resources are a vital part of the curriculum in all of the CIM universities.
Association publications and websites play a huge role in developing and maintaining the program —
they allow our curriculum to be current and relevant.**

American Concrete Institute (ACI)

American Concrete Pavement Association (ACPA)

American Concrete Pipe Association (ACPA)

American Society of Concrete Contractors (ASCC)

American Society for Testing and Materials (ASTM)

Concrete Reinforcing Steel Institute (CRSI)

Federal Highways Administration (FHWA)

Hanley Wood

International Concrete Repair Institute (ICRI)

National Concrete Masonry Association (NCMA)

National Precast Concrete Association (NPCA)

National Ready Mixed Concrete Association (NRMCA)

Portland Cement Association (PCA)

Precast/Prestressed Concrete Institute (PCI)

The Masonry Society (TMS)

The Post-Tensioning Institute (PTI)

Advancing the Concrete Industry by Degrees

Recognizing the need for people with enhanced technical, communication and management skills, the Concrete Industry Management (CIM) program was developed in 1996 at Middle Tennessee State University (MTSU). The individuals graduating from this program have the skill set necessary to meet the growing demands of the progressively changing concrete industry of the 21st century. It is a business intensive program, providing solid management skills that can be used in any industry, but has been developed specifically for the concrete industry. The program gives students many advantages including entering the concrete work force with exposure to the industry early in their careers, unlike others coming in with generic business degrees.

The goal of the program is to produce broadly educated, articulate graduates grounded in basic business management, who are knowledgeable of concrete technology and techniques and are able to manage people and systems as well as promote products or services related to the concrete industry. It entails a broad range of courses, from English and history to science and mathematics. A series of required business courses such as finance, marketing, management and business law are also taken throughout the length of the program. The concrete-specific courses teach the fundamentals of concrete, properties and testing, concrete construction and more. All of these courses provide much more than what is simply in the text – they emphasize problem solving, quality assurance and customer satisfaction. They utilize practical case studies and an internship to make sure the student obtains real-world experience essential to starting a successful career.



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The need for such a program was recognized and put into action by the concrete industry. The end-result was a partnership between the concrete industry and MTSU to develop the CIM program, implementing it with its first two students in 1996. Available at MTSU, California State University, Chico, the New Jersey Institute of Technology, and Texas State University, the program has been successful for both the industry and the graduates.

The National Steering Committee

Administrative bodies were needed within the concrete industry to manage participation, guidance, and other forms of support related to the program. A grassroots advisory group, the CIM Patrons, was formed to raise funds, promote the program, recruit and mentor students, and provide guest lecturers for classes. A National Steering Committee (NSC), made up of pioneering concrete industry executives, was established to provide oversight to the CIM curriculum and supply guidance for general program direction from a national perspective.

The NSC Board of Directors includes the leadership of long-standing CIM financial supporters RMC Research & Education Foundation (RMCREF) and the Portland Cement Association (PCA). It has been joined by the National Ready Mixed Concrete Association (NRMCA), the American Society of Concrete Contractors (ASCC), The American Concrete Pipe Association (ACPA), National Concrete Masonry Association (NCMA), International Concrete Repair Institute (ICRI), the National Precast Concrete Association (NPCA), the Precast/Prestressed Concrete Institute (PCI) and the American Concrete Institute (ACI) Foundation.

For more information, visit www.concretedegree.com.

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