CONCRETE INDUSTRY MANAGEMENT

"Advancing The Concrete Industry By Degrees."

2008-2009 ANNUAL REPORT

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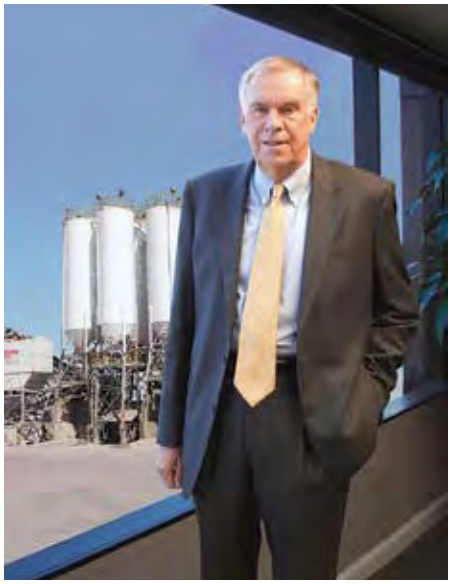

THE NATIONAL STEERING COMMITTEE (NSC) of the Concrete Industry Management Program (CIM) is pleased to report that this past fiscal year was successful in continuing to advance the program. Some highlights for the year included the establishment of a fifth CIM university. Texas State University joins Middle Tennessee State University, Arizona State University, California State University Chico and New Jersey Institute of Technology as a member of the growing network of universities with CIM programs. A record number of students enrolled in the programs and graduated with CIM degrees. Two new concrete industry groups have pledged their support to CIM. The Precast/Prestressed Concrete Institute and the American Concrete Institute Foundation have officially joined the NSC. With these new additions, the NSC now represents a very strong industry coalition of nine entities that also include the American Society of Concrete Contractors, American Concrete Pipe Association, National Concrete Masonry Association, National Precast Concrete Association, National Ready Mixed Concrete Association, Portland Cement Association and RMC Research & Education Foundation.

Primary oversight for NSC initiatives is the role of the Board of Directors. The board is composed of representatives from all sponsor organizations and the concrete industry's leading national companies. One of the objectives of the NSC is to provide financial support to CIM universities. This past year, the NSC distributed $400,000 to program schools, continuing the commitment the industry originally made 14 years ago. Another key objective is to provide national industry-level oversight and assistance to the CIM program schools. The NSC is fulfilling that role through committees, led by volunteers from NSC sponsor organizations: Finance, Education, Executive, Long Range Planning, Marketing and Auction. Here are some key accomplishments:

- Over the course of the year through the work of the Long Range Planning Committee, a need was identified for several new committees.
- In the latter part of the year, the Recruitment Committee was formed in order to identify and take action on national opportunities to grow enrollments in the program.
- The Research Committee was established to provide a link between the industry's needs for research and CIM universities' growing research capabilities.
- Late in the year, a Master's Program Task Force was formed to seriously explore the feasibility of establishing an Executive MBA program that is deeply grounded in executive-level concrete industry course content.

In order to supplement and continue the industry's high level of support for CIM, the NSC has successfully conducted an auction at The World of Concrete. Since 2006, over $1 million has been raised in support of CIM. We are grateful to the World of Concrete's parent, Hanley Wood, for granting the NSC this opportunity.

In addition to working closely with the schools, the NSC has a strong partnering arrangement with each school's local Patron Group. The industry's financial commitment to the program is a 50/50 partnership between the NSC and the local Patrons. The NSC role is to focus on national opportunities to engage the industry and advance and grow the program while providing oversight and consistency to CIM. The local patron groups provide a similar role for each program on a local basis. Because of this outstanding local and national industry support, the CIM program continues its amazing success and growth. CIM is "Advancing the Concrete Industry by Degrees."

SINCERELY,

Eugene P. Martineau

Eugene P. Martineau
Executive Director

MESSAGE FROM THE CHAIRMAN

As the Chairman of the CIM National Steering Committee, I take great pleasure in presenting the annual compilation of CIM Institutional and Committee Reports for your review.

As the CIM program continues to grow, both in the number of students enrolled as well as the number of institutions offering a degree in CIM, it is crucial that as a governing body, we are well informed of the direction and progress of each institution. It is imperative that we maintain the concrete industry's vision for CIM, as well as maintain the integrity and quality of the curriculum throughout all of our programs.

This report shows the status of all five of the CIM programs, including our flagship program at Middle Tennessee State University (MTSU), as well as our three initial expansion programs at Arizona State University (ASU), California State University - Chico, and New Jersey Institute of Technology (NJIT). We also are proud to include our newest program which started in the Fall of 2009: Texas State University. The information in this report was provided by the program directors at each university and the committee chairmen.

One of the exciting endeavors we are currently working on is an Executive MBA program, which will be offered initially by MTSU. The start date for this program is tentatively set for the Summer of 2011. A task group of university and industry representatives is working to develop this program.

In these trying economic times, it is more important than ever that we continue to support the CIM program with our time, talent and treasure. One way of doing this is by participating in the CIM auction at the World of Concrete. The graduates of these programs represent the future of our industry. Because of this, we need to maintain our long-term vision, even in these tough times.

We appreciate your continued commitment to the CIM program. Please review the attached reports and feel free to provide input.

SINCERELY,

Mike Schneider

Mike Schneider
Chairman, CIM National Steering Committee

EDUCATION COMMITTEE REPORT

DR. REX COTTLE

Chairman
Education Committee

THE EDUCATION COMMITTEE has been very active this year. Its members have devoted considerable time and thought to addressing several initiatives. The major initiative was to conduct a comprehensive review of the CIM curricula at our universities to ensure the Concrete Industry Management degrees offer students a standardized educational experience. Given that university graduation requirements differ, each CIM program has adapted its curriculum to include the material contained in the core CIM courses. We reviewed the academic content of each CIM course and related courses in every CIM program. When a required topic was not covered adequately, the program director provided a corrective plan to comply with the CIM standard going forward. This was a very time-intensive effort and members of the Education Committee were thorough in their review. We are proud of the academic quality of our CIM programs.

The second initiative was to begin to develop a CIM Executive MBA program. Middle Tennessee State University (MTSU) has committed to the development of such a program. It will be a joint venture with the CIM program and the College of Business' Masters in Business Administration program. Like the undergraduate program, the CIM/MBA degree will be a cooperative initiative between the concrete industry and the academic community. A separate committee was formed by the National Steering Committee to develop the graduate CIM program. MTSU will be conducting a feasibility study this fall.

The third initiative was to continue to solicit contemporary information from concrete associations about their respective aspects of the concrete industry to use as part of the CIM course material. This information broadens our students' knowledge and understanding of concrete-related concepts. We encourage all concrete associations to provide contemporary information, processes and procedures that will ensure our students are well-educated about all aspects of the concrete industry.

The fourth initiative was to encourage faculty to develop course material by authoring textbooks and by conducting scholarly research on relevant topics concerning the concrete industry. The CIM faculty is responding favorably. A couple of textbooks have begun, and numerous research projects are underway or have been published in academic journals.

Fifth, since all CIM majors must complete an internship as part of their academic requirements, we discussed ways to promote internships and to assist firms and universities in creating a meaningful experience for the students and the companies. The CIM directors have developed a "best practices" document for companies and universities to follow when conducting an internship. This document is available upon request.

In the coming year, the Education Committee will continue to address the long range strategic planning objectives adopted by the CIM National Steering Committee.

MARKETING COMMITTEE REPORT

BRIAN GALLAGHER

Chairman

Marketing Committee

THE ROLE OF THE CIM MARKETING COMMITTEE is to provide the means for raising awareness of the CIM Program to all components of the concrete and concrete construction industry, as well as to academia and potential students and student influencers. Key initiatives of the CIM NSC Marketing Committee include:

- Increasing the visibility of the CIM initiative and each institution's programs through a variety of promotional, marketing and public relations activities.
- Assisting in the development of promotional materials, such as the creation of guidelines for the branding of the CIM logo, collateral materials, graphics for trade shows, and the maintenance of the CIM web site (Concretedegree.com).
- Assisting with the promotion of NSC fundraising activities such as the Annual CIM Auction at the World of Concrete and other activities.
- Providing marketing guidance and support for CIM institutions, including the sharing of best practices, leveraging marketing efforts, and maintaining CIM brand and message consistency.
- Working with the Recruitment Committee to support the recruitment of students by promoting the CIM program directly to students and student influencers, specifically parents, guidance counselors, and teachers.
- Supporting the marketing components of the CIM NSC Long Range Plan.

Toward this end, the CIM Marketing Committee has implemented a robust integrated marketing communications program to help the CIM NSC reach its marketing goals. These efforts include:

- **Advertising:** To help reach students through guidance counselors, CIM is currently advertising in ASCA's School Counselor magazine. We also have worked with various concrete industry trade publications that have donated print and on-line ad space.
- **Collateral & Promotional Materials:** The Committee produces various promotional materials to support the CIM image and/or brand, including brochures, mailers, graphics and other materials. In addition, the Marketing Committee works with the Executive Board to publish the Annual Report.
- **Public Relations:** CIM has had tremendous success promoting the CIM brand and increasing awareness using public relations. Our public relations efforts are focused on two areas: promoting the CIM Programs to the industry, and promoting CIM programs to students and influencers (parents, guidance counselors, etc). The Marketing Committee has been publishing the CIM eNews eight times per year, reaching more than 3,000 people with each eNews. For the last two years, CIM has been working with Constructive Communication, Inc. (CCI) on a proactive public relations campaign that has resulted in: eleven press releases, thirty-three major articles, nineteen briefs and the launch of social media efforts. As a result of our efforts, circulation reached a total of 1,586,157 readers with an equivalent ad value of $166,971.
- **Internet:** The Marketing Committee maintains the Concretedegree.com website. During the last year, we have enhanced the site and added significant content and tools. In addition, we have embarked on search engine optimization (SEO) and Web 2.0 programs that involve using RSS, Twitter, LinkedIn, and Facebook. The Marketing Committee maintains those tools for CIM.
- **Trade Shows:** For CIM, trade shows represent a two-pronged approach: reaching the industry and reaching people that influence students. During the last year, we exhibited at the World of Concrete in Las Vegas and the National School Counselors Association in Dallas.

WALLY JOHNSON

Chairman
Auction Committee

THE CIM AUCTION COMMITTEE CONDUCTED THE FOURTH ANNUAL auction for the CIM National Steering Committee. The Auction Committee consisted of more than 30 industry members representing various disciplines from numerous companies. The Auction Committee solicited more than 300 companies and received donations from more than 70 companies. Again, this year, the anchor donation of a concrete mixer was given by McNeilus Company. Hanley Wood and the World of Concrete donated the meeting space and provided numerous advertisements and promotions for the auction. Richie Bros. Auctioneers again donated their time and talent to auction the products. The auction raised approximately $300,000 including $6,000 from the silent auction conducted in conjunction with the live auction. In total, over the last four years, the committee has raised more than $1,000,000.

JULIE GARBINI

Chairwoman
Research Committee

THE CIM RESEARCH COMMITTEE IS WORKING ON AN overall capabilities brochure which will list the strengths and types of research projects each CIM university can perform, as well as examples of past projects. This will be included on the CIM National Steering Committee website and will be widely distributed throughout the industry and beyond. Funding research projects through the CIM universities is another way to support the institutions financially while also getting needed industry research accomplished.

While we wish to promote the research capabilities of the universities and seek out opportunities for the CIM institutions to collaborate on joint grant proposals and research projects, we do not want to foster undue competition between the schools. Therefore, we are also in the process of developing protocols for pursuing cooperative research grants as well as independently pursuing research opportunities to avoid inadvertent redundancy and/or competition between the universities.

Lastly, the Research Committee is working to identify research grant resources for the CIM universities, both within and outside the industry. The committee seeks to foster the communication between the CIM institutions and other industry-funded research organizations to maximize opportunities for cooperation and award of research monies from government agencies and other outside funding sources.

RECRUITMENT COMMITTEE REPORT

BRUCE STRICKLAND

Chairman

Recruitment Committee

THE OBJECTIVE OF THE RECRUITMENT COMMITTEE IS TO CONTINUALLY draw students into the CIM program as well as attract a more diverse mix of students for all CIM universities through a uniform recruitment plan. This plan - which offers the flexibility to meet each CIM school's current and future needs - is outlined through the following set of contact guidelines for attracting new students:

- Each CIM school will visit at least 25 local high schools per year.
- Each CIM school will visit at least 25 vocational/technical/two-year schools per year.
- Each CIM school will visit with at least 25 guidance counselors per year.

Any combination of the above may be completed with the goal being a total of 75 school contacts annually. The above numbers (25 for each category and 75 total) are suggestions and should be reviewed for each CIM program.

With regard to on-campus recruiting, the committee is focused on developing methods to market the CIM program to undecided students through program presentations by CIM professors, patron companies, and CIM graduates. The committee will also develop informational brochures and distribute them via hard copy and e-mail.

Finally, the committee is focused on the recruitment of minority and female students through participation in career fairs where there is a particular minority and/or woman focus, and on making contact with on- and off-campus minority-related groups (where feasible) to market the CIM program. Also, we will participate in advertising in minority and women's publications to further enhance the CIM image to continually attract and recruit a more diverse group of students.

MICHAEL HARLAN

Chairman
Finance Committee

ONCE AGAIN, THE NATIONAL STEERING COMMITTEE (NSC) received an unqualified audit opinion for the fiscal year which ended June 30, 2009. As of June 30, the NSC had total assets of $1,135,577, consisting primarily of unrestricted cash, and had no debt obligations. Revenue totaled $490,563 and was made up of contributions as follows:

Industry associations	**$170,750**
Auction proceeds	**$306,856**
Interest income	**$12,957**

During the year, we spent $511,486 which included $400,000 that was paid to support the CIM universities and $111,486 was spent on management, general, program and fundraising expenses. For the first time, the NSC prepared a five-year forecast to determine if it had the financial resources to continue to fund its commitments to the CIM universities and pursue other activities in support of the CIM program.

I am pleased to report that while the industry is undergoing the most severe decline in demand since the depression, the NSC is on solid financial ground. The cash reserve that was created over the past several years has given the NSC the ability to continue to support the education and development activities of the CIM universities. The NSC will continue to rely on contributions from various industry sources and revenue generated by the annual auction held at the World of Concrete to expand its support to the participating universities and consider pursuing further development of the CIM program and related activities.

LONG RANGE PLANNING COMMITTEE

L. MICHAEL SHYDLOWSKI

Chairman

Long Range Planning Committee

THE LONG RANGE PLANNING (LRP) COMMITTEE WAS APPROVED AS A standing committee by the Board of Directors at the 2009 annual meeting, and L. Michael Shydlowski was appointed as the Chairman. The current Concrete Industry Work Plan: 2010-2013 is being worked on by the Committee, and was initially approved as a work-in-progress at the Board of Directors meeting held in Las Vegas, Nevada, in February 2009.

The plan contains a vision for the CIM program, along with a mission statement and six strategic goals. The goals are:

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

Each of the goals has been assigned to a CIM NSC committee to evaluate, modify as necessary, and add appropriate actions in order to ensure that the goals will be achieved. The Executive Committee has reviewed their designated strategies and has developed appropriate actions to meet the objectives.

This plan more accurately reflects a strategy for the next few years. Upon completion of the various committees' actions and approval by the Board of Directors, a revision of the plan, which will take a longer-term view, will be undertaken.

DR. JAMES ERNZEN
ASU CIM Program Director

ARIZONA STATE UNIVERSITY

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2008-09 ENROLLMENT

	Undergraduate	Graduate	Total
ASU	53,298	13,784	67,082
Engineering College	4,120	2,281	6,401
School of Construction	361	59	420

Number of CIM Majors:

25 majors in 2008-2009

PROFESSIONAL ACTIVITIES

- The ACI student club invited Ward Malish to speak at its fall fundraising dinner and attracted over 50 attendees.
- Professor Luke Snell has given presentations on concrete education at each ACI Convention this year.
- The CIM program moved into a new 1,500-square-foot space with a dedicated classroom and small laboratory facility.
- The program now has access to increased testing and laboratory equipment with the recent merger of the Civil Engineering Department with the School of Construction.
- We have plans for a new 80,000-square-foot facility for the Construction School including a new classroom and laboratory facility for the CIM program.

PROGRAM SUPPORT

The ASU CIM program received $200,000 in funding from the NSC and the local Southwest Patrons Organization. In addition, 16 students received $24,000 from the Southwest Patrons and an additional $12,000 from other donors during the 2008-2009 school year. The program also received $1,000 from the Arizona ACI Chapter to support student travel to ACI competitions.

Student Internships

2008-2009:

During the summer of 2008-09, 14 students were placed into internships.

Marketing and Promotional Activities

- The CIM students participated for a second consecutive year in the ASU Homecoming Parade by decorating a float with concrete materials including a concrete canoe and pulling the float with a concrete truck mixer.
- The CIM students participated with the local ACI chapter for their annual bowling and golf tournaments during the school year.
- Several CIM students participated in a service project to deliver and finish some concrete flatwork at the Arizona State Capitol.
- The CIM program participated in several community college career fairs throughout the year as well as manning a booth at the Construction in Indian Country Annual Conference in May 2009.

Student Educational Activities

- Jennifer Harris is a senior in the CIM program with plans to graduate in May 2010. Harris was selected for a National ACI Fellowship. This award is given to undergraduate students with an interest in a career in the construction industry, entering their junior or senior year, and studying in the civil engineering, structural engineering, or construction industry management programs.
- ASU CIM won the regional Concrete Cylinder competition and competed in the national competition at the Fall 2008 ACI Convention.
- Several ASU CIM students attended the 2009 World of Concrete in Las Vegas.
- CIM 205 & CIM 305 conducted an annual joint field trip to CMC Steel Mill and Fabrication Operation in Mesa, Arizona.

CIM Student Mentoring Program

In the Fall of 2008, the Del E. Webb School of Construction created an industry mentoring program for female freshman and sophomore students. In the Fall of 2009, this program was extended to ethnic minorities. A survey of CIM 105 class this fall revealed that a majority of the students were interested in this program.

CIM Patron Involvement

The local patrons have very active involvement in all areas both in and out of the classroom.

- The curriculum committee meets twice yearly to review current courses as they are being initially developed.
- The Patrons provided faculty associates who taught two CIM courses in their entirety during the 2008-2009 academic year.
- Members of Southwest Patron companies made over 30 guest speaking appearances in the CIM courses offered during the school year to share their expertise with the students.
- The Arizona ACI chapter has sponsored the CIM students for their ACI certifications for Field Grade 1, Flatwork Finish Technician, Concrete Strength, and Aggregate Level 1.
- Southwest Patron companies also hosted CIM classes on several field trips to a cement plant, a ready mix and aggregate operation, a steel rebar mill and fabrication plant, and several concrete construction sites.
- Baker Concrete Construction donated in-kind labor to complete the CIM materials laboratory in January 2009.

FINANCIAL INFORMATION

School annual budget = approximately $1.4 million.

Profit and Loss statement (2008-2009)

Costs	
Faculty and Staff Salary and Benefits	$335,000
Scholarships	$24,000
Travel Budget (Faculty/Staff)	$15,000
Travel (Students)	$4,000
Total Costs	**$378,000**

Revenues	
Received from NSC and S.W. Patrons	$200,000
Scholarships received from S.W. Patrons	$24,000
Direct costs provided by ASU	$154,000
Total Revenues	**$378,000**

DR. TANYA KOMAS
CSUC CIM
Program Director

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2008-09 ENROLLMENT

Number of Majors:

50 majors

(149 enrollments in CIMT courses for academic year 2008-09)

Fall 2008

Courses	Students	CCH	FTE
CIMT 101 Intro to Concrete	21	2	2.8
CIMT 231 Fundamentals & Properties	16	4	4.3
CIMT 364 Decorative Concrete	17	3	3.4
CIMT 453 Facilities Management	18	3	3.6
CIMT 389 Internship	8	3	1.6
CIMT 444 Lab Assistant	4	2	.53

Spring 2009

Courses	Students	CCH	FTE
CIMT 101 Intro to Concrete	16	2	2.1
CIMT 241 Concrete Construction Methods	15	3	3
CIMT 363 Sustainability and Built Environment	16	3	3.2
CIMT 389 Internship	2	3	.4
CIMT 444 Lab Assistant	3	2	.4
CIMT 466 Senior Capstone	9	4	2.4
CIMT 498 Advanced Mix Design	16*	2	8

* 6 students took Advanced Mix Design for credit; an additional 10 took the class but opted not to receive course credit in order to maintain optimal semester unit count.

PROJECTIONS FOR CURRENT SEMESTER

Fall 2009

Courses	Students	CCH	FTE
CIMT 101 Intro to Concrete	19	2	3.3
CIMT 231 Fundamentals & Properties	28	4	7.5
CIMT 348 Concrete Repair	15	3	3
CIMT 453 Facilities Management	14	3	2.8
CIMT 389 Internship	8	3	1.6
CIMT 444 Lab Assistant	9	2	1.2

CIMT – Concrete Industry Management

CCH – Course Credit Hours

FTE – Full Time Equivalent Students
(FTE = # Students enrolled * CCH /15)

Faculty Workload is based upon consideration of teaching assignments (Weighted Teaching Units - WTUs), other assigned duties (Assigned Weighted Teaching Units - AWTUs) and/or Student Faculty Ratio (SFR). In the College of Engineering, faculty are nominally assigned 15 weighted teaching units or equivalents. This includes 3 AWTU for advising, committee work and other university service. A full-time student is one taking a minimum of 12 units. However, SFRs are computed based on a 15-unit student load. Thus, as an example, in a program where a faculty teaches 4 courses with 25 students enrolled in each and each course is 3 units of credit for the student, the faculty has 4 courses (25 students x 3 units/15) for a SFR of 1:20.

PROJECTED ENROLLMENTS

	Majors	Enrollments
Year One (2006-2007)	20 *(actual)*	51 *(actual)*
Year Two (2007-2008)	38 *(actual)*	119 *(actual)*
Year Three (2008-2009)	50 *(actual)*	149 *(actual)*
Year Four (2009-2010)	70	180

PROFESSIONAL ACTIVITIES

Presentations

2009:

Television Appearance/Technical Consultant: "Life After People," History Channel. Subject: concrete deterioration; focus on Pointe du Hoc, Normandy, France and the Pantheon, Rome. We continue as expert consultants for upcoming 2009-10 season.

International Concrete Repair Institute Sustainability Forum: Invited Speaker, International Concrete Repair Institute (ICRI) Conference, Minneapolis, Minnesota, April 2009.

Presentation: "Hot Topics in Concrete Repair," Women in Concrete Luncheon, World of Concrete, Las Vegas, Nevada. Presentation featured on cover of World of Concrete Daily News.

Presentation: "Spirit of a Woman: Building Pillars of Support" Symposium, Chico State.

ACI Concrete Construction Competition: Chico State team placed top 12 nationwide.

Chico State Senior Capstone Projects, Spring 2009:

- "Lightweight Concrete Solutions," Gessel Balderrabano
- "Whistle Stopper-Concrete Duck Blinds," Chad Christie
- "A Northern Light-Illuminated Concrete," Ryan Hooker
- "Implementation Of A Volumetric Mixer Into A Ready Mix Fleet: Is It Really Worth It?" Frank Corzine
- "Residential Applications of Concrete," Jeff Kelly
- "Rice Husk Ash as SCM," Cyrus Dworak (research protocol subsequently requested by Caltrans for new specification)
- "Comparing Laboratory Shrinkage Results with Shrinkage Results Taken in the Field Using ASTM C 157," Brant Guido
- "Lopez Concrete And Formwork," Daniel Lopez
- "Analyzing Concrete Slump Change With Respect to Temperature and Aggregate Shape," Kevin Albert

2008-09:

CIM Student Club Concrete Poker Tables: Club plans to continue to design, construct and sell tables to fund ACI and other professional certifications.

"ICRI Technical Guideline – Non-Destructive Evaluation (NDE) Methods for Condition Assessment, Repair, and Performance Monitoring of Concrete Structures:" Member of ICRI Evaluation Committee responsible for authoring the Guideline. Expected Completion: Winter 2009.

Presentation: "Condition Assessment: Then and Now," International Concrete Repair Institute Conference Panel Presentation Speaker, St. Louis, Missouri.

Article: "Concrete Repair in the New Century," Concrete Repair Bulletin, International Concrete Repair Institute, March/April 2008, Vol. 21, No. 2.

Faculty Membership/Service in Professional Organizations

2009-present:

Concrete Promotion Council of Northern California

- General Member
- Architectural and Decorative Concrete Committee

2007-present:

Tanya W. Komas, Member, International Concrete Repair Institute

- Nominated to National Board of Directors
- Chairman, Evaluation Committee
- Committee Member, Education Committee
- Student Andrew Billingsley also active member of Education Committee
- Committee Member, Repair Certification Sub-Committee
- Invited Judge for 2009 International Concrete Repair Awards

1996-present:

Member, Association for Preservation Technology International

- Committee Member, Technical Committee on Sustainable
- Preservation: Working Group on Rating Systems and Lifecycle

Publications

2009:

Magazine and Internet Re-Printed Publication: "Historic Concrete Investigations at Pointe du Hoc, Normandy, France." Translated and published by Iberoamerican Federation of Ready Mixed Concrete (FIHP). Reprint by permission from National Ready Mixed Concrete Association. Video-conference presentation for nine universities in Costa Rica, Colombia, Uruguay, Nicaragua, and Panama. More than 500 people viewed the presentation with simultaneous translation.

Cover Article: "Historic Concrete Investigations at Pointe du Hoc, Normandy, France," Concrete International, American Concrete Institute, January 2009, Vol. 31, No. 1. Reprint by permission from National Ready Mixed Concrete Association.

2008:

Peer-Reviewed Technical Presentation: "Historic Concrete Investigations at Pointe du Hoc, Normandy, France," Association for Preservation Technology International Annual Conference, Montreal, Canada.

Article: "Historic Concrete Investigations at Pointe du Hoc, Normandy, France," Concrete inFOCUS, National Ready Mixed Concrete Association, Summer 2008, Vol. 7, No. 2.

Presentation: "Historic Concrete Investigations at Pointe du Hoc, Normandy, France," American Concrete Institute, Northern California Chapter meeting, Berkeley, California. Arranged complimentary registration for four students to attend.

Presentation: "Historic Concrete Investigations at Pointe du Hoc, Normandy, France," International Concrete Repair Institute, Northern California Chapter meeting, Oakland, California. Arranged complimentary registration for four students to attend.

PROGRAM SUPPORT

Scholarships

July 1, 2008 - June 30, 2009:

Chico State CIM Patrons = $22,400
Chico State CIM Patrons = $24,500
Total Scholarship Income = $46,900

31 CIM Student Scholarships = $21,700
32 CIM Student Scholarships = $22,400
Total Scholarships Paid = $44,100

Internships

The Chico program had 18 interns in the field during summer 2009. Eight of these students did their internships for credit while the rest did them for the experience. Internship locations included Seattle (2), San Diego (2), Colorado, Washington D.C., San Francisco, and others.

Students who did internships for credit made a presentation to Chico State CIM patrons during the fall 2009 Patron Meeting. Patrons scored the presentations and experiences (including to what degree each student contributed to his/her internship experience beyond that which was in the internship job description). Winners will be announced at a patron social.

Marketing and Promotional Activities

- Sent Fall and Spring 4-page newsletter to more than 200 industry contacts and patrons
- Presentation to Beavers Trust – program update, student & patron recruitment, funding
- Presentation to Bruno Benna Foundation – program update, student & patron recruitment, funding
- Presentation to the Oregon Concrete Aggregates Promotion Council – program update, student & patron recruitment, funding
- Presentation to the Washington Aggregates & Concrete Association & Western Washington Cement Masons
- Pointe du Hoc research, program update, student & patron recruitment, funding
- California Precast Concrete Institute Board presentation – program update, student & patron recruitment, funding

Student Educational Activities

2008 & 2009:

Eleven students (nine Chico State CIM students and two Middle Tennessee State University CIM students) participated in field research at Pointe du Hoc, Normandy, France.

2008 & 2009:

One student attended a Structural Condition Assessment Seminar, American Society of Civil Engineers, Sacramento. Complimentary registration for assisting with event organization (value: $1,150).

One student attended a Bridge Condition Assessment Seminar, American Society of Civil Engineers, Sacramento. Complimentary registration for assisting with event organization (value: $1,150).

Four students attended NRMCA conference, Nashville.

Four students attended NRMCA conference, Atlanta.

2008-09:

Three CIM students and one Master of Fine Arts student attended a Concrete Countertop Workshop, Cheng Concrete Designs, Berkeley, California. Price per student: $100 (normally $1200/attendee). Ongoing opportunity through special arrangement with Mr. Cheng.

16 students attended World of Concrete Convention, Las Vegas, Nevada.

Seven students attended the International Concrete Repair Institute (ICRI) conference, four in fall and three in spring. Students for fall conference are fully supported through special arrangement with ICRI (MTSU student joined Chico with same support for fall convention). Students participate in educational sessions and working committee meetings.

Patron Involvement

Two-day Patron Meetings on Chico State campus fall and spring semesters. Events include breakfast or lunch with graduating seniors, all-CIM student social, golf outing with students, dinner with University President, Provost, and Dean of the College of Engineering. Attendance is typically 35+.

Field trips to Patron plants/facilities:

- Lehigh Cement plant, Redding, CA (2)
- Knife River, Baldwin Aggregate Plant, Orland, CA (2)
- Quikrete Plant, Sacramento, CA
- Basalite Plant, Dixon, CA
- Johnson Western Gunite Facility, Berkeley, CA

Company contribution of lab materials:

- L. M. Scofield - concrete integral color, stains, dyes, sealers valued at over $7,000
- Preitech, Michael Eastergard – $6,000 custom table-top forms and materials

- Lehigh Cement – cement as needed
- Knife River/A&A Concrete Supply – aggregates as needed
- Quikrete – countertop mix as needed
- Spec West, Sacramento, CA – countertop mix

Multiple patron companies hired CIM interns, with three companies hiring more than one student intern.

Toni Technik – Equipment demonstration for Chico State CIM NSC meeting.

Guest Speaker, Gene Ceccotti, owner and CEO, Shamrock Materials, Inc. Career discussion with Introduction to Concrete class as part of Fall Patron Meeting

Guest Speaker, Bill Albanese, VP US Concrete, Central Concrete Supply Co. Career discussion with Introduction to Concrete class as part of Spring Patron Meeting

Guest Speaker, Clark Branam, L.M. Scofield Company. Multiple visits for hands-on decorative concrete instruction

Guest Speaker, Brad Kamin, Sika Corporation, San Francisco. "Corrosion Inhibitors and Concrete Repair," Concrete Repair class

Guest Speaker, Bethany Walker, Concrete Reinforcing Steel Institute. Introduction to Concrete class

Guest Speaker, Randy Beard, President-Elect ICRI and Engineer with Walker Parking Garage Engineers, Denver Colorado. "Case Studies in Parking Garage and Plaza Repair and Waterproofing," Concrete Repair class

Guest Speaker, Bob Trout, Owner, The Lilly Corporation. "Epoxy Crack Injection Lecture and Hands-on Campus Training," for CIM students and Chico State FMS, Concrete Repair class

Guest Speaker, Scott Humphrey, Humphrey Enterprises, San Francisco. "Equipment for the Ready Mixed Concrete Industry," Introduction to Concrete class

Guest Speaker, Cliff Rawlings, HTC, Tennessee. Concrete Grinding and Polishing - Decorative Concrete class

Guest Speaker, Mike Collignon, Portland Cement Association, Chicago. Introduction to Concrete class

FINANCIAL INFORMATION

July 1, 2008 - June 30, 2009:

Operations

Income	
Chico State CIM Patrons	$75,000
Graniterock	$10,000
National Steering Committee	$50,000
Chico State CIM Patrons	$75,000
Chico State Patrons - Travel	$20,000
National Steering Committee (+ 3,617 Lab Equipment)	$46,383
Dean Ward Time @5%	$7,342
Assoc. Dean Hight Time @ 15%	$12,619
Total Operations Income	**$296,344**

Expenditures	
Postage	$28
Phones	$1,848
Supplies	$7,771
Travel & Lodging	$30,214
Facilities Rental	$250
Student Awards	$700
Clothing	$180
Printing	$3,266
Student Assistant	$1,941
Faculty & Staff (Salaries w/ Benefits)	$194,763
Public Relations	$3,632
Faculty Recruitment Costs	$314
Account Administrative Charges	$12,819
Total Operations Expenditures	$257,727

Note: Equipment Profit and Loss is provided for academic year 2008-09 and 2007-08 because several pieces of equipment were multi-year purchases. Total for both years is supplied at end.

Equipment

July 1, 2008 - June 30, 2009:

Income	
Chico State CIM Patrons	$50,000
Chico State CIM Patrons	$50,000
National Steering Committee Foundation	$3,617
Total Equipment Income	**$103,617**

Expenditures	
Operating Supplies	$5,578
Mixer	$214
1/2 Triaxial Test Machines	$20,242
Account Administrative Charges	$5,181
Total Equipment Expenditures	**$31,216**

Equipment

July 1, 2007 - June 30, 2008:

Income	
Chico State CIM Patrons	$50,000
Chico State CIM Patrons	$50,000
Beavers Charitable Trust	$20,000
Union Pacific Foundation	$10,000
Total Equipment Income	**$130,000**

Expenditures	
Operating Supplies	$18,916
Contract Services	$8,128
Toni Technik Test Equipment	$142,267
Computer Memory	$1,531
Computers	$33,011
Account Administrative Charges	$6,500
Total Equipment Expenditures	**$210,353**

Equipment: Two-Year Totals

July 1, 2007 - June 30, 2009:

- Income = $233,617
- Expenditures = $241,568

DR. HEATHER BROWN
MTSU CIM
Program Director

MIDDLE TENNESSEE STATE UNIVERSITY

1301 East Main Street ∘ Murfreesboro, TN 37132 ∘ (615) 898-2300

PROJECTED ENROLLMENTS

Semester	2006-07 *(actual)*	2007-08 *(actual)*	2008-09 *(actual)*	2009-10 *(actual)*
Fall	317	386	423	453
Spring	367	415	445	480 *(projected)*

ENROLLMENT DATA

Number of Majors:

Fall 2008 – 423 declared

Spring 2009 – 445 declared

Number of Graduates:

Fall 2008 – 27

Spring 2009 – 33

Summer 2009 – 8

Number of Graduates with Jobs:

We have placed 60% of the 68 graduates from Fall 2008 – Summer 2009.

PROFESSIONAL ACTIVITIES

Research

Dr. Brown:

New Research, 2 projects = $28,800

Ongoing Research, 3 projects = $52,210

Pending Research, 4 projects = $1,853,623

Dr. Yang:

Pending Research, 2 projects = $188,000

Research with CIM Students (12 projects): Habracoat Investigation; Metro Water Pervious Concrete Water Quality; Durafiber Impact and Plastic Cracking Project; Hexion Field Placement; Rapid Chloride Permeability for Xurex; Adiacal Training; ASTM Field Perm Round Robin Testing; Influence of mixture proportions and curing conditions on freeze and thaw durability of pervious concrete; Water transport in partially saturated fractured concrete; Characterization and development of patching materials for concrete bridge deck; Effects of nano-particles on properties and microstructure of concrete; Development of high volume fly ash concrete system

Presentations

Dr. Brown (8 Presentations): Two presentations at ACI International Conference, International Erosion Control Association Conference Proceedings, NSF/UAB/HBRC International Conference & Workshop, two presentations for NRMCA/PCA Stormwater Solution Seminar, Masonry Materials Presentation for MIT, TCA Annual Convention

Dr. Knight (4 Presentations): European Summer University (ESU), 88th Annual TRB Meeting, Two presentations at 2009 PCI Annual Convention and Exhibition

Publications

Dr. Brown:

"Sustainable Concrete Applications: How to Incorporate Green Technology," NSF Workshop Proceedings, March 12, 2009

"Method to Prevent Base Flow Interception by Gravity Sewer Line Construction," International Erosion Control Association Conference Proceedings, February 11, 2009.

"Test Method For Infiltration Rate Of In-Place Pervious Concrete," ASTM Committee C09.49, Work Item 17606, Ballot Closed May 11, 2009

Dr. Knight:

Knight, M. L. and G. S. Wilson. "Early Age Bond Strength of Reinforcing Steel in Self Consolidating Concrete," The National Bridge Conference and PCI Annual Convention Proceedings (electronic). Precast/Prestressed Concrete Institute, 2008, 15 pp.

Knight, M. L. and G. S. Wilson. "Development Length of Reinforcing Steel In Specified Density Concrete," The National Bridge Conference and PCI Annual Convention Proceedings (electronic). Precast/Prestressed Concrete Institute, 2008, 16 pp.

"Use of Stay in Place Forms for Concrete Bridge Decks," Transportation Research Record Journal of the Transportation Research Board Accepted March 15, 2009

"Effect of Compaction on Pervious PCC Static Modulus of Elasticity," ASCE Journal of Materials in Civil Engineering Submitted February 6, 2009

Dr. Morton:

"Performance of Slash Pine Fibers in Fiber Cement Products," Construction and Building MATERIALS, accepted for publication

Dr. Yang:

Yang, Z., "Durability of Pervious Concrete under Slow Freeze and Thaw Cycles," under review for ACI Materials Journal

Awards

Dr. Brown: MTSU Make a Difference; 1st Place Strength Competition, ACI Fall Convention, St. Louis, MO, Faculty Advisor: Heather Brown; 4th Place Concrete Construction Competition, ACI Spring Convention, Faculty Advisor: Heather Brown

Dr. Knight: Precast/Prestressed Concrete Institute (PCI) Travel Award

Dr. Morton: Awarded new patent, US7,357,833

PROGRAM SUPPORT

Scholarships

CIM Industry Provided: 26 scholarships = $89,931.36
MTSU University Provided: 2 scholarships = $5,000.00

Internships

Mentored 73 students for CIM Internships during summer 2008, fall 2008 and spring 2009.

Marketing Activities/Public Service

Dr. Brown (14 Activities): Habitat for Humanity; Expanding Your Horizons Middle School girls mentor, Women In Science mentor; Indian Hills Golf Cart project; Stones River Battlefield Monument Repair Investigation; Cason Lane Academy Outdoor Classroom Project; Horse Science Center Horse Stalls; CIM Women's Lunch; Engineering, Manufacturing, and Industrial Technology Partnership Council for Metro Nashville Schools; Arbitration Panel for North Carolina concrete case; ASTM Committee C09.49.01, Task Group Chairman; ACI 522 Pervious Concrete Committee Member; ACI 301 Specifications Committee Member; NRMCA Pervious Promotion Committee Member.

Mrs. Becky Linville (65 Activities): Participated in MTSU Department Fair; Spoke to numerous UNIV 1010 Classes (university seminar class for incoming freshmen & transfer students); Participated in twice weekly Info Fairs for MTSU Customs (Freshman orientation); Attended and spoke at 2009 American School Counselors Association Conference; Contacted various Tennessee community colleges via email; Contacted several large school systems in Tennessee via email; Scheduled numerous company socials and interviews; Actively participated in matching companies with prospective candidates for full-time and internship opportunities; Met with numerous prospective students and parents; Wrote program updates for various CIM-related newsletters; Participated in creation of new CIM brochure; Updated CIM website.

Dr. Knight (4 Activities): Member of ASTM Committee C09 on Concrete and Aggregates; Member of ASTM Committee C09.47 on Self Consolidating Concrete; Served as co-chair of the ASCE Southeast Regional Student Conference; Tennessee Concrete Association (TCA) examiner for 11 ACI test dates.

Mr. Fulks (1 Activity): Oct 2008, formed and poured cart paths and parking area at Champions Run Golf for MTSU golf for new training facility.

Dr. Morton (1 Activity): National: conducted meeting of ASTM subcommittee D01.36 as subcommittee chairman during the January 2009 national meeting.

Mr. Litchy (1 Activity): American General Contractors student organization advisor.

Dr. Yang (3 Activities): Member of American Concrete Institute; Member of American Society of Testing Materials; Reviewer and Editorial Manager for "Materials and Structure" journal.

Student Educational Activities

Trips and Tours (140 students): NRMCA ConcreteWorks – 20 students; ASCC Convention – 4 students; Old Castle Plant Tour – 25 students; World of Concrete – 24 students; ICON – 4 students; The Precast Show – 4 students; NRMCA Spring Convention – 8 students; TCA Annual Conference – 8 students; Sherman Dixie Plant – Franklin, TN – 25 students; IMI Plant Tour – Murfreesboro, TN – 12 students; Middle Tennessee Medical Center Facility Tour – Murfreesboro, TN – 6 students.

Socials: 24 socials with 30-50 students per social.

Involvement of the Patrons/Industry

5th Annual CIM Golf Tournament, Concrete Industry Supporters, $45,000 towards MTSU Building Campaign and CIM Patrons.

1st Annual CIM Alumni Skeet shoot, MTSU CIM Patrons.

Numerous guest lectures, mentoring activities, conference calls, meetings with MTSU admin, panel judges for Capstone, providing materials for laboratory.

FINANCIAL INFORMATION

Expenditure of National Steering Committee & Patrons Fund

Line Item	Expenditures from NSC/Patrons Funding
Salaries/Compensation	$7,500.00
Equipment	$5,318.69
Travel	$42,513.02
Operating (Brochures, Flyers, etc.)	$27,346.47
Overhead	
Total	**$82,498.18**

Department Budget

MTSU Operating Budget - $38,252.00 from July 1, 2008 to June 30, 2009 was given to CIM program from MTSU. We generate the rest of the income by teaching correspondence courses and ACI certification courses that come from student tuition. ACI certification dollars are not retained as income but are sent to ACI for payment.

Line Item	Expenditures from University Funding
Salaries and Benefits (33%)	$77,140 Staff $503,200 Faculty $5,000 Student Workers $585,340 Total
Equipment	$15,300 (TAF)
Travel	$14,885.00
Operating (Brochures, Flyers, etc.)	$38,252.00
MTSU Scholarships	$5,000.00
Overhead	
Total	**$658,777.00**

Patrons Operating Budget

The Patrons operated with a budget of $89,686.66 from June 2008 – May 2009

MIDDLE TENNESSEE STATE UNIVERSITY

Concrete Industry Management

Profit and Loss Statement: July 1, 2008 trough June 30, 2009

Income	
Contributing Income	
NSC	100,000.00
CIM Golf Tournament	45,000.00
Research	12,500.00
Industry Contributions	22,500.00
Scholarship Contributions	89,931.36
MTSU Funds	
Salary & Benefits	585,340.00
Travel Fund	14,885.00
Operating Fund	38,252.00
TAF Equipment	15,300.00
Total Income	**$923,708.36**

Expenses	
Salaries	595,840.00
Travel	57,107.06
Equipment	20,618.69
Scholarships	89,931.36
Operating	
MTSU	36,342.00
NSC/Patrons	27,346.47
Total Expenses	**$827,185.58**
Net Income	$96,522.78

Contributing Income

National Steering Committee = $100,000
Industry Companies = $22,500
Scholarship Contributions = $89,931.36
CIM Patrons Golf Tournament = $45,000
Research = $12,500
Total Contributing Income: $269,931.36

JOHN WIGGINS, P.E. ESQ.
NJIT CIM
Program Director

NJIT™
New Jersey's Science & Technology University

Department of Engineering Technology
University Heights ○ Newark, New Jersey 07102-1982 ○ (973) 596-8193

ENROLLMENT DATA

For the 2008-2009 academic year, enrollment in the CIM program was 23 students. This figure represents dedicated CIM majors. The number of students from other majors taking CIM courses has not been tabulated.

PROFESSIONAL ACTIVITIES

For the 2008-2009 academic year, the Program Director and Program Assistant attended the Construction Industry Career Day held on April 22 and 23 at Brookdale Community College, Lyncroft, New Jersey. More than 1,500 junior and senior high school students attended this event as well as county college students and adult learners. At this same two-day event, the Program Director made a presentation to high school guidance counselors.

The Program Specialist has also visited several of the local high schools.

PUBLICATIONS

Our first graduate presented his senior project and that presentation was posted to a public online video site.

PROGRAM SUPPORT

The annual Northeast Patron's Wine Tasting Event was held in February which raised more than $40,000 to be used toward scholarships for CIM students.

Additionally, NJIT was able to hire a Program Specialist, Ms. Jewel Domino, and an Assistant Professor, Prof. Mohamed Mahgoub, PhD, PE, for the CIM program.

Student Internships

Three student internships were successfully completed during this academic year.

Marketing and Promotional Activities

Since a Program Specialist joined the CIM Program staff in March, NJIT has increased marketing and promotional activities.

Student Educational Activities

Due to the small size and status of the program, no students attended any conferences or trade shows; however, as part of the curriculum, several visits were made to local industry sites.

PATRON INVOLVEMENT

Patron involvement with the institution has included attendance at regional steering committee meetings, trips to patron's facilities and visiting lectures by some of the patrons.

FINANCIAL INFORMATION

Income	
National Steering Committee	$50,000
National Steering Committee	$50,000
National Steering Committee	$50,000
National Steering Committee	$50,000
National Steering Committee	$50,000
National Steering Committee	$50,000
Total National Steering Committee	**$300,000**
Northeast CIM Patrons	$50,000
State of New Jersey	$50,000
Northeast CIM Patrons	$50,000
Northeast CIM Patrons	$50,000
Total Northeast Patrons	**$200,000**
Total Income	$500,000

Expenses	
Salary and Fringes	$132,339.37
Equipment (Lab/Major/Computer)	$17,316.40
Lab Supplies	$1,667.81
Travel & Meetings	$22,883.38
ACM Laboratory	$200,000.00
Printing Outside	$725.13
Repair Services	$682.25
Vehicle Rental	$225.00
Postage Services	$99.89
Printing - Office Services	$765.70
Media Services	$182.43
Advertising - Employee Recruiting	$5,292.65
Total Expenses	$382,180.01

Expenses to Date: $382,180.01
Open Commitments: $18,329.26
Balance: $99,490.73

Annual Budget

Line Item	Expenditures
Salaries and Fringe Benefits	$192,000
Lab and Instructional Equipment	$20,000
Supplies (including marketing)	$5,000
Domestic Travel (marketing and meetings)	$14,000
Meetings/Reception	$3,000
Printing Services	$3,000
Repair Services	$1,000
Postal Services	$500
Media Services	$1,000
Total	**$239,500**

DR. VEDARAMAN SRIRAMAN
TSU CIM Program Director

TEXAS STATE UNIVERSITY
SAN MARCOS
The rising STAR of Texas

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

ENROLLMENT DATA

Semester	Fall 2008	Spring 2009
Texas State University	28,121	29,105
Department of Engineering Technology	439	387
CIM Program	None	6

PROFESSIONAL ACTIVITIES

Funded External Grants and Contracts:

Dr. Hu:

J. Hu, D. Hahn, W. Rudzinski, C. Powell, N. Guven, S. Lee and G. Beall, "Evaluation, Presentation and Repair of Microbial Acid-Produced Attached of Concrete," funding source: TxDOT (RTI 0-6137), funded August 2009, amount $252,557, September 2009 – present.

Funded Internal Grants and Contracts:

J. Hu, "Self-Compacting Concrete Using Recycled Concrete Aggregate," funding source: Texas State University-San Marcos Research

Enhance Program (REP), funded December 2008, amount $8,000, January 2009 – present.

Refereed Conference Proceedings:

J. Hu, K. Wang and Z. Ge; "Study of Iowa PCC Thermal Properties for Mechanistic-Empirical Pavement Design," Proceedings of the 2009 Mid-Continent Transportation Research Symposium; Ames, Iowa, August 2009.

Papers Presented:

J. Hu, K. Wang and Z. Ge, "Study of Iowa PCC Thermal Properties for Mechanistic-Empirical Pavement Design;" Proceedings of the 2009 Mid-Continent Transportation Research Symposium; Ames, Iowa, August 2009.

Q. Xu, M. Ruiz, K. Wang, J. Hu, S.I. Garber and R.O. Rasmussen; "Evaluating Hydration Characteristics and HIPERPAV Prediction of Temperature Development in Early-Age Concrete Pavement;" 88th Annual TRB Meeting, Washington, D.C, January 2009

V. Sriraman and J. Hu; "CIM at Texas State University," ACI Spring 2009 Convention; San Antonio, Texas.

Y. Kim and G. Harmon, "Composite Insulated Wall Panels Using Carbon Fiber Grid," The Third Congress of the International Federation for Structural Concrete (fib) 2010, Washington, D.C. (May 29 – June 2, 2010).

Publications:

Refereed Journal Article: M. So, Y. Kim, G. Yun, S. Dyke and G Harmon; "Cyclic Shear-Friction Constitutive Model for FEA or R/C Membrane Elements;" American Concrete Institute Structural Journal (under review).

MARKETING ACTIVITIES

The following marketing/promotional activities were undertaken:

- Updated the Department of Engineering Technology web page to include information on the CIM major.
- Created and distributed a trifold, color brochure on the CIM program.
- Presented information on the CIM major during the International Concrete Repair Institute – San Antonio chapter meeting on Texas State University campus in April 2009.
- Presented information on the CIM major during the "Discover Texas State" event on campus in March 2009.
- Presented information on the CIM major to individual majors in TECH 1260 and TECH 2341 in Spring 2009.
- Worked at the CIM booth with MTSU at the American School Counselor Association Annual Conference in Dallas, Texas, June 28-30, 2009.

STUDENT EDUCATIONAL ACTIVITIES

Dr. Hu, in his TECH 2342: Construction Materials and Processes, took his class of 72 students to the TXI Cement Plant in Hunter, Texas. During this field trip, the students witnessed the cement-making processes, from quarrying limestone to rail or truck shipping of the final product to the customer.

PATRON/INDUSTRY INVOLVEMENT

- Assisted with the recruitment of our honorary program director, Dr. Rich Szecsy, VP, Lattimore Materials.
- Provided technical advice on the design and layout of our concrete testing laboratory.
- Provided supplies for our concrete testing laboratory.
- Assisted with fund generation and recruitment for our CIM program.

FINANCIAL INFORMATION

Expenditure of Patron Funds	Not Applicable
Concrete Testing Laboratory (facilities work and basic equipment)	$250,000 (one time)
Operating Budget	$85,000 (recurring)
Patron Operating Budget	Budget in Preparation
Contribution Income	Not Applicable

JASON DODSON, Structural Group

Understanding the importance of supporting educational programs that benefit the industry, Structural Group has hired a student from the Concrete Industry Management program. We asked Jason Dodson a few questions about his experiences with the CIM Program and his current position at Structural Group.

What school did you graduate from and when?

I graduated in 2001 from Middle Tennessee State University (MTSU) with a Bachelor of Science degree in Concrete Industry Management (CIM) and a minor in Business Administration.

What are your current position and responsibilities at Structural Group?

I am currently the Division Manager of the Baton Rouge Office. My responsibilities include mentoring project engineers and project managers. I am also responsible for business development (developing relationships with vendors and clients), project estimating and project management, and, most important, ensuring that all our employees passionately follow our Safety 24/7 culture.

Why did you choose this position and this company?

I chose Structural Group because of their Project Engineer Career Development (PECD) Program. This is a program for all new hires, which matches them with seasoned mentors to help them learn and grow in the company. I have worked with Structural Group for 7 years now, and could not have found a better company to fit my personality. The company culture allows a person to express his/her opinion and encourages growth both professionally and personally.

How did the CIM program prepare you for your current job responsibilities?

There are so many facets of the program that have helped me in my career! The CIM program allowed me to gain a respect for how complicated concrete really is. Understanding all the different ways you can change the physical and chemical properties of concrete has been invaluable to my career.

Why did you choose the CIM program?

I had a friend who was in the CIM program, and I was blessed that one day he started talking to me about concrete. I took the Concrete 101 class and was amazed at how hands-on the program was! As I got further into the program, the industry involvement was something I had never seen before, and I was thoroughly impressed.

What advice would you give to current CIM students?

Attitude and determination are everything! This degree will open doors, but it's up to you to make a difference. I will leave you with a quote that has served me well through the years:

> "Nothing in the world can take the place of persistence.
> Talent will not; nothing in the world is more common than unsuccessful men with talent.
> Genius will not; unrewarded genius is a proverb.
> Education will not; the world is full of educated derelicts.
> Persistence and determination alone are omnipotent." ~ Calvin Coolidge

LEE THRASHER, ReadyMix USA

Understanding the importance of supporting educational programs that benefit the industry, Ready Mix USA has hired a student from the Concrete Industry Management program. We asked Lee Thrasher a few questions about his experiences with the CIM Program and his current position at Ready Mix USA.

What school did you graduate from and when?

I graduated from Middle Tennessee State University in May of 2000 with a Bachelor of Science degree in Concrete Industry Management.

What are your current position and responsibilities at Ready Mix USA?

I am currently the Quality Control and Project Manager for the Gray, Mid-East & Tallahassee Divisions. I'm responsible for all aspects of quality control for approximately 20 plants from Athens, Ga., to Tallahassee, Fl. I also help oversee our larger, multi-year ready mix projects for the Divisions, as well as assisting with the Divisions' IT and applications needs, plus market intelligence.

Why did you choose this position and this company?

I like the family atmosphere that's the heart of Ready Mix USA. It is very exciting to be a part of a decentralized company that also has the diversity and size that the Ready Mix USA family of companies offers. Our business model gives each employee not only the real opportunity to fit into a team environment, but also to experience firsthand the rewards and recognition created from doing a good job, since the general managers are so close to their employees.

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

The "big picture" aspect of the curriculum is very helpful in understanding the different segments of the industry and their main functions. Being able to think critically and deliberately through concrete issues and problems based on case studies and formalized learning helps in daily resolution of problems and situations I'm presented with.

Why did you choose the CIM program?

The CIM program was recommended to me by my employer at the time, Bob Newton of Harper Construction. I had heard about the program through construction classes at MTSU as well. Once I looked at the program, I was hooked on being part of something new and special. As I got into the first couple of classes, I realized how much I enjoyed the diversity of concrete and being able to truly experience something new every day. The concrete industry is as dynamic and challenging as any of the trade industries. I have always enjoyed building and creating things, and concrete gives us more opportunities and options than any other building material out there. It is a completely fascinating industry that captured me from day one, and the CIM Program is a wonderful start in the business because of its overall study of what the concrete industry can be.

GRADUATE QUOTES

"There are so many facets of the program that have helped me in my career! The CIM program allowed me to gain a respect for how complicated concrete really is. Understanding all the different ways you can change the physical and chemical properties of concrete has been invaluable to my career."

Jason Dodson
Division Manager,
Structural Group
2001 CIM Graduate

"The 'big picture' aspect of the curriculum is very helpful in understanding the different segments of the industry and their main functions. Being able to think critically and deliberately through concrete issues and problems based on case studies and formalized learning helps in daily resolution of problems and situations I'm presented with."

Lee Thrasher
Quality Control and Project Manager,
Ready Mix USA
2000 CIM Graduate

"The CIM program has given me tremendous opportunities. The in-depth technical curriculum, fused with a business emphasis, has truly allowed me to set realistic and obtainable career goals. The daily interaction with industry professionals and tuned-in professors allow for a real-world industry experience."

Christopher K. Davenport
Regional Sales Director,
Barnes Industrial Group
2000 CIM Graduate

"I received valuable technical training while also receiving equally important training in business and management. I always wanted to work in the construction industry, and the direct interaction with industry leaders and coursework specific to construction really appealed to me."

Kenny Owens
Senior Project Manager,
Pullman Power
2003 CIM Graduate

Davenport photo courtesy Hanley Wood, *The Concrete Producer.*
Photo by Harrison McClary/Black Star

"My vision for the CIM Program is to continually add youth, knowledge and education throughout the concrete industry, which will continue to benefit our industry by leaps and bounds for many years to come."

ALAN BROWN

Former Patron's Board President, Middle Tennessee State University

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

I was one of the first two students to declare CIM as my major back in 1996, so I have had a passion for this program since graduating. As one of the first CIM graduates in 2000, I have seen the program grow into an unbelievable success. I've been involved with the CIM Patrons since the beginning and led the CIM Patrons as President in 2006 and 2007. The CIM program has benefited my career more than I ever could have imagined, and I will continue to give back and be grateful.

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

One of the most unique aspects of the CIM program is the open interaction and communication between industry and academia. Groups such as NRMCA, ACI and AGC, along with many others, have provided networking opportunities that one would not get with most educational experiences on the college level.

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

The CIM program provides the industry with young and knowledgeable professionals who are eager and willing to push the concrete industry into the future. This is something our industry has needed for decades, and it will benefit any organization involved for the foreseeable future.

How can they get involved?

Companies can get involved by contacting any of the five CIM institutions throughout the United States, or by contacting the National Ready Mixed Concrete Association (NRMCA) at www.nrmca.org.

How do you think the CIM program will benefit the concrete industry?

Youth, knowledge and education developed and groomed for our industry will continually benefit concrete construction and all companies involved. This also provides a pool of talent that our industry has needed for many decades.

DOUGLAS K. GUERRERO

Chairman, California State University – Chico, CIM Patrons

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

I have been the Chairman of the Chico State CIM Patrons since it was established on December 7, 2005. I am also a Board Member of the CIM National Steering Committee. I have had a keen interest in this program for more than 10 years, and have followed the growth of the Middle Tennessee State University (MTSU) program since its inception. I and several other industry colleagues were responsible for bringing the expansion program to California and Chico State. As a 40-year veteran of the cement and concrete industry, I know how valuable this program will be to the industry. It has been sorely needed because there has been no direct four-year college program that prepared professionals to enter this industry.

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

When the CIM National Steering Committee approached Chico State and the other two Universities selected for expansion CIM Programs, they promised $1 million over five years to help offset costs. In addition, our local patrons promised additional donations of concrete materials and equipment, as well as significant volunteer time to act as guest lecturers and consultants. Everybody on our Patron's Board continues to come through on this promise. The President of Chico State, Paul Zingg, stated that our partnership model should be the one used as the "standard industry/academic partnership" throughout academia. This is our key to success and a must for any successful program.

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

They have to. If they do not, they will be left without the high level of training and professionalism the graduates of the CIM Program will bring to the companies that hire them. In time, our graduates will make their way to leadership positions in the companies they work for. Our industry is age-challenged; we grew older and did not do a good job of replacing ourselves. We need highly trained professional graduates who are skilled in the many facets of our industry. Our industry also is moving rapidly ahead in more technological areas than ever before. We will help fill that need, because our students are exposed to a broad range of new technologies while in college. Their education and enthusiasm to make our industry better will be welcomed. Also, as the economy recovers, we will find a shortage of qualified individuals available for a growing concrete industry, and our graduates will be sought out and competed for. Companies that have participated in the CIM Patrons Programs will have a leg up.

"I see a time when our Chico State CIM Program will be a stand-alone department within the School of Engineering. We are hoping to see this in the 2010-2011 academic year. We believe we will grow from our current 62 students to more than 100 by the time we are a full-fledged department. Hopefully, we will remain in place to provide the continuing strength for this concrete industry and Chico State partnership. I hope that within 10 years or so, we can grow the program to about 200 to 250 students, providing 50 to 60 graduates per year."

"This partnership is truly unique. The industry is able to work closely with curriculum designers to determine courses tailored to students. Further, the partnership is designed to change continually in order to upgrade courses and keep the CIM Program state-of-the-art and relevant to today's industry."

JIM D. SPEAKMAN

Former Patron's Board President, Middle Tennessee State University

What is your involvement in the CIM Program?

Since 1995, when CIM was conceived, I've promoted and participated in the program. I have served on the Patrons Board during this entire duration, and I was its third president. I am honored to say that I was involved in the early days when a small group of volunteers did some "heavy lifting" to create this program. Each of us realized that if we could get it started, it would have enormous impact on the whole industry. The Tennessee Concrete Association and all of its members were heavily involved in its creation, and their support continues today. We knew that getting national participation would be paramount; thus, we initiated the National Steering Committee and asked for participation. Thankfully, many executives from our industry's top companies took ownership, and the program began to have the national profile we knew it would need for success.

Why did you get involved with the CIM Program, MTSU?

I felt, and still feel, this is a way to give back to the industry that has provided my livelihood for 25 years. The concrete industry has always been somewhat stigmatized as a dirty type of business that many don't deem worthy as a career. When I'd go to high schools to promote the concrete industry, I found that most students looked to engineering, IT, or the legal and medical fields as a career path. I recognized that we needed to change that attitude. CIM gives the industry a cachet it didn't have before – a professional path. It helps show concrete as a high-tech, extremely engineered industry that is vital to the infrastructure of our country.

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

This partnership is truly unique. The industry is able to work closely with curriculum designers at MTSU to determine courses tailored to students. Further, the partnership is designed to change continually in order to upgrade courses and keep the CIM Program state-of-the-art and relevant to today's industry. And we have long-term involvement from students. One of the visions of the initial Patrons Board was to have CIM graduates be the guiding stars of the program by heading the Patrons Board. Today, 80 percent of the CIM Patrons Board at MTSU is composed of graduates. The MTSU/CIM Program pursued grants to assist in creating several other CIM programs throughout the United States.

Why should other companies in the concrete industry get involved in the CIM Program?

As the concrete industry continues to get more technical, environmental regulations and concerns grow. In response to these trends, the concrete industry has a genuine need to have educated, dedicated individuals. The graduates from the CIM Program are prepared to deal with these issues. Not surprisingly, it's less expensive to hire a specialized graduate than it is to try to train someone with a more general degree.

LARRY SILVI

Former Patron's Board Chairman, New Jersey Institute of Technology

What is your involvement in the CIM program?

I started the Northeast Patrons group as its chairman in 2003 and served in that position until 2008. As the chairman of the NEP Group, I was on the National Steering Committee, and I am still actively involved and serve on the Executive Committee.

Why did you get involved with the CIM Program, NJIT?

I got involved with the CIM program because I firmly believe that as an industry, we need to attract a higher caliber of employee for middle management positions, who could be the future upper managers in time.

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

We have made a substantial commitment of time and money to the program because I see these graduates raising the level of professionalism for the whole industry. I feel that we will benefit in the long term by having increased profits, greater environmental stewardship, and a broader understanding of all aspects of the ready mix industry. We also will be hiring employees who want to be in and commit themselves to this industry.

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

I think these types of partnerships work best in that colleges are teaching with the involvement of the industry and not just from books. I think there will be a higher success and retention rate of students/employees because the students will have been involved with internships, and they will have made numerous contacts in the industry. There are not many industries that involve the students as much as this program does.

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

Companies in the concrete industry should get involved in the CIM program to have highly educated and motivated employees who can manage their area of responsibility with greater understanding than an employee who has been promoted through the ranks.

What is your vision for the CIM program?

I see the program being financially self-sufficient by the amount of students being enrolled in the program. As more companies realize what a valuable source of entry-level management the CIM program affords them, more companies will be hiring from the program.

"We have made a substantial commitment of time and money to the program because I see these graduates raising the level of professionalism for the whole industry. I feel that we will benefit in the long term by having increased profits, greater environmental stewardship, and a broader understanding of all aspects of the ready mix industry. We also will be hiring employees who want to be in and commit themselves to this industry."

MIKE SCHNEIDER

CIM NSC Chairman

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

Currently I am chair of the National Steering Committee. I became involved in 2000 as a stand-in for Dan Baker at a Steering Committee Meeting and have been involved ever since.

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

It is very important that we develop leaders for the continued viability and success of our industry. It is another source of qualified, young talent who are interested in the concrete industry. We have hired interns for the past four years and have one graduate working for us full-time.

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

The CIM program partnership with industry is a unique arrangement, and it shows what is possible when leaders have a vision and a can-do attitude. It also demonstrates that our industry is willing to "walk the talk" by investing resources in order to guarantee a continuing stream of young potential leaders into our industry.

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

When they get involved with the program, they get a seat at the table in determining how we educate the next generation of leaders.

How can they get involved?

Each of our five programs has a patrons group, and each of the local patrons groups is looking for companies to help from a financial standpoint, volunteer as guest lecturers, and provide field trips for students. Money from the local patrons groups helps fund scholarships, student competitions and student travel to various association or industry events/meetings, such as World of Concrete, ASCC Conference, NRMCA meeting and ACI meetings.

What is your vision for the CIM program?

My vision is as follows: The CIM program expands internationally, and there are several other CIM programs in the United States that all have a standard curriculum; the Executive MBA program is implemented and successful; and 20 years from now many of the leaders of our industry will be alumni from various CIM institutions.

How do you think the CIM program will benefit the concrete industry?

The program will help provide the next generation of leaders who are trained from a curriculum designed by the concrete industry.

FRANK CRADDOCK

CIM NSC Vice Chairman

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

Currently, I am the Vice Chairman of the CIM National Steering Committee and I have been involved with the CIM program since its inception.

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

I feel the program at Middle Tennessee State University (MTSU) has been very successful in providing outstanding candidates that enjoy both the industry and our company. We look forward to the maturity of the other programs as they begin to produce graduates and our industry begins to recover. If other companies share our belief that our most valuable assets are our people, then they would receive a tremendous return on their time and treasure invested in this program.

What is your vision for the CIM program?

My vision for CIM is that the schools ultimately become self-sustaining and that the National Steering Committee evolves as an industry committee under the realm of the Ready Mix Trust Foundation as all schools produce the optimal number and quality of students. At that time, we could then use a very high percentage of money raised for scholarships instead of school support and administrative expenses.

MICHAEL HARLAN

CIM NSC Secretary/Treasurer

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

I am a member of the Board of Directors and serve as the Secretary/Treasurer for the CIM National Steering Committee. The number one reason I decided to become involved with CIM is because I believe the long-term success of our industry is directly related to the quality of the people in the industry. We need to attract high-quality, college-educated professionals who will one day become the leaders of this industry.

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

Our company has made both a financial commitment and a commitment of time, energy and effort to the CIM program so more individuals will have an opportunity to obtain a Concrete Industry Management degree. Whether we hire CIM graduates or our competition hires CIM graduates, our company and the entire industry will benefit by having these motivated, college educated professionals working in the industry.

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

Clearly, the industry benefits not only from access to the graduates, but also from the interaction with the academic professionals. The ability to call on the professors in the program to conduct independent studies assists in marketing state-of-the-art products and technologies to our customers.

ACI Foundation

NRMCA

NPCA MEMBER

RMC RESEARCH & EDUCATION FOUNDATION

PCA Portland Cement Association

American Concrete Pipe Association

National Concrete Masonry Association FOUNDATION

PCI FOUNDATION

EDUCATION, RESEARCH & DEVELOPMENT FOUNDATION

PROVIDING THE MEANS TO ADVANCE CONCRETE CONSTRUCTION

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.

Eugene Martineau
Executive Director

Michael Schneider
Chairman

Frank Craddock
Vice Chairman

Michael Harlan
Secretary/Treasurer

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.

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, Arizona State University, 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 Mix Concrete Association (NRMCA), the American Society of Concrete Contractors (ASCC), The American Concrete Pipe Association (ACPA), National Concrete Masonry Association (NCMA), 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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