

CONCRETE INDUSTRY MANAGEMENT PROGRAM NEWS

Volume 5 Issue 2

Dr. Mohamed Mahgoub, CIM Program Director



It has been four years since I became the Director of the Program. Looking back to these years, I see that many milestones were met. The CIM program at NJIT is now viewed very favorably by the CIM National Steering Committee and ranked second enrolment wise amongst the four CIM schools (Middle Tennessee State University (MTSU), California State University Chico (CSU), Texas State University San Marcos (TSU) and NJIT). The Job and internship placements averaged 100% which is great in this economy.

The student enrollment has increased from 22 students to 84 students which is the highest number since the program began. Approximately \$40,000 in scholarship funds were distributed thanks to the national and local patrons. We have been offered \$25,000 scholarship money few months ago by national patrons. This scholarship money will be dedicated to any new enrolment freshman or transfer students (\$1,500 each) so please spread the word and contact me if you have any potential candidates. Forty CIM students became ACI Field Level 1 certified thanks to the NJ ACI Chapter. Fifteen CIM students became pervious concrete certified technicians thanks to PCA and NRMCA. Twenty CIM, CE and CET students took the basic training in BIM thanks to Tekla.

The American Concrete Institute (ACI) student chapter was established and connections were made with other on-campus student organizations. The International Concrete Repair Institute (ICRI) student chapter, the second in USA, will start this semester. Please let me know if you are interested to join. I am the faculty advisor of both chapters. CIM students attended 20 conferences and participated in 4 international competitions. CIM students had more than 300 different activities such as field visits, seminars, socials, guest speakers, conferences and on-campus workshops and gatherings.

All of these achievements would not have been possible without the great effort of CIM students and the great support from the national and local patrons. I would like to thank everybody for their great and sincere efforts and to ask everybody to remain dedicated to the goal of continuously improving our CIM program at NJIT. With passion and determination, I am confident that we can achieve great goals during this coming year.



New to CIM:

CIM this semester is offering something new, a scholarships that is given to the first twenty students to join the program this semester.

Summer, 2014
“ Advancing the Concrete Industry by Degrees “

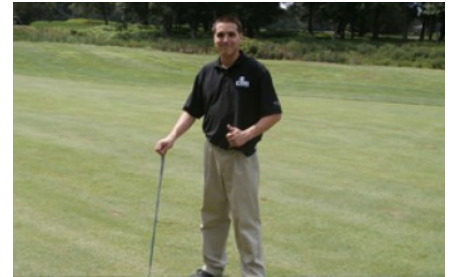
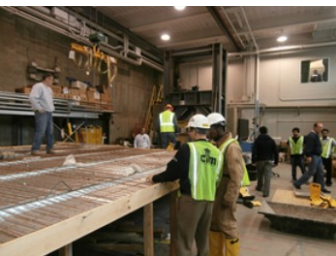
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Farewell Anlee!!



Anlee Orama was a New Jersey Institute of Technology staff with the position of CIM Specialist. Mr. Orama was a very important asset to the program, through his three years here at NJIT he has been a great help to the CIM program and Dr. Mahgoub He helped increase the number of students in the program by going out visiting high schools, and community colleges to talk about CIM and its great benefits. In the summer of 2014 Mr. Orama has accepted a position as a Project Manager for Collavino Construction. We would like to thank Anlee Orama for his service as a CIM Specialist and wish him the best.



CIM Alumni Class of 2011, Eric Miller



Describe the opportunities that were available to you through the CIM program and how did that help you start your career in the industry.

When the CIM program came to NJIT, it was unheard of with only a handful of students involved. Since then, it has grown and evolved to a point where at social gatherings people are not asking "Who and what are the CIM students?" but "Where are the CIM

students?". When I heard about the new exciting program with hands on experience and industry support, I thought it was too good to be true, but decided to give it a try anyway. The decision ended up paying off. While the first few semesters were rough as things settled in, the addition of Dr. Mahgoub to the program and Mr. Anlee Orama, have turned the program into more than I thought it could be. The industry support, support from NJIT faculty, and the hard working students will continue to help the program grow and produce better and more gifted graduates.

The Silvi Group, a supporter since the program's beginning, not only had me hooked on this fast paced industry with their tours of the concrete plants and quarries, but also hired me after graduation from the program. The last 3 years since being hired as plant manager have been exciting and kept me on my toes since day one. The constant challenges and changing work environment have led to never boring and always challenging followed by rewarding career.



Organization Events



Mid Atlantic Concrete Construction and Aggregate Forum, April 29, 2014

On April 29, 2014 The Mid Atlantic Concrete Construction and Aggregate Forum was held in Atlantic City, NJ and attended by CIM Program director, Dr. Mohamed Mahgoub and senior student David Williams. In this event various CEOs of concrete companies including the attended to talk about concreted related issues and possible solutions.

Which will take place on December 11th, 2014 from 9:30 am to 1:00 pm in the more spacious NJIT Campus Center Atrium.



NRMCA Conference, May 12-15, 2014

Dr. Mahgoub has attended the National Ready Mixed Concrete Association (NRMCA) conference in Boston on May 12-15, 2014. The International Concrete Sustainability Conference was the 9th annual conference and was great for networking with others. Experts talked about new research being done in the concrete world, new materials, and different testing.



Patrons Meeting, May 2, 2014

On Friday May 2nd, 2014 the NJIT CIM program hosted the spring Bi-Annual Northeast Patrons meeting in Eberhardt Hall in the NJIT campus. The meeting is designed to provide a fruitful venue for our supporting Patrons to personally visit NJIT and learn about what the CIM program is achieving and how they can become involved and engage with the students. We look forward to the growth of the Patrons group as our student enrollment is also increasing. More job opportunities will be required to continue the 100% job placement achievement we currently have. The NJIT CIM program is becoming widely recognized in the university.

With time, the CIM program has proven itself to be successful in many aspects. The students are happy, they get jobs, and they love what they do. Speaking of jobs, we coordinated a CIM job fair immediately after the meeting to give an opportunity to some of our Patrons to interview our students for internships and full-time jobs. Companies that interviewed included Sika Corporation, BASF, Delaware Valley Concrete, NRMCA, Coreslab Structures, Beyond Concrete, and Hycrete. We would like to give special thanks to Edna Randolph, Assistant to Chair of Engineering Technology, and Marcia Eddings, Administrative Assistant of Engineering Technology for coordinating the event preparations and food catering. Once again we thank everyone that made this extraordinary event possible and we look forward to seeing each and every one of you including many more in our next Patrons meeting.



CIM National Meeting, May 20-23, 2014

The CIM NSC Meeting has taken place on May 20-23, 2014 on Murfreesboro, TN. In the meeting, Concrete Industry Management Directors gathered to talk about how the program is doing in their school. As for our program here at New Jersey Institute of Technology our enrolment has increased to be 80 students and is continuing to grow.



Union City Recruitment, May 29, 2014

On May 29, 2014 Anlee Orama went to Union City to reach out to students and speak to them about the Concrete Industry Management program, trying to increase the numbers of students here at New Jersey Institute Of Technology. Helping students understand what the program is about and expressing the different types of fields and their importance to the Concrete Industry.

Organization Events

The New Jersey Concrete & Aggregate Association would like to Thank...

All of the golfers who participated in this years 27th Annual Golf Outing!



American Concrete Institute
Always advancing

NJ ACI Golf Outing, June 5, 2014

June 5, 2014 we had a few students go to a gold outing with our CIM Specialist Anlee Orama in Edison New Jersey.

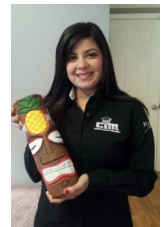
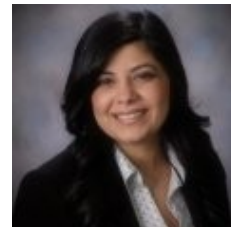


Dr. Mohamed Mahgoub Named Associate Professor June 5, 2014

The NJIT CIM program is pleased to announce that the NJIT Board of Trustees, at its meeting on June 5, approved a recommendation for Dr. Mohamed Mahgoub to be granted tenure and promoted to the rank of Associate Professor effective at the beginning of the 2014-2015 academic year. This action is in recognition of Dr. Mahgoub's accomplishments with the CIM program and NJIT. This achievement could not have been possible without the support of many individuals including our Engineering Technology Chairman, Dr. Ronald Rockland, the Interim Dean of Newark College of Engineering, Dr. Basil Baltzis, CIM local and national Patrons, including Chairperson Jamie Gentoso, Larry Silvi, Bill Layton, Mike Gentoso and CIM Executive Director Eugene Martineau, NJIT President Dr. Joel Bloom, and Provost Fadi Deek.

CIM Graduate Dinner, June 27, 2014

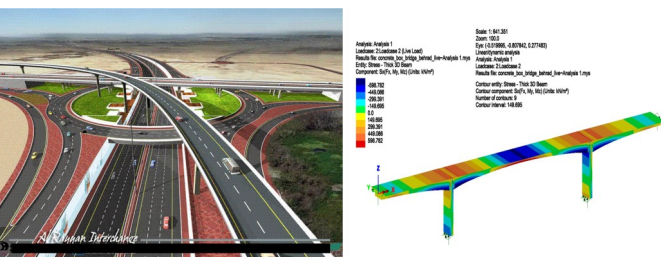
On June 27, 2014 the NJIT Concrete Industry Management had a dinner for our graduate students. The event was taken place in Don PePe Newark. Along with our director Dr. Mohamed Mahgoub, CIM specialist Anlee Orama, Allyn Luke from our Civil an Environmental Engineering Department, two-third of our graduate students showed up to the dinner. We got to see what our students are doing, where are they working and how are they doing.



A concrete accomplishment for NJIT's Benjamin

The NJIT CIM program is proud to announce that one of our CIM alumni is featured in the NJIT 2014 magazine. Narguis Benjamin is a 2012 graduate with a dual degree in Concrete Industry Management and Construction Management. Her final semester was spent in a co-op position at the Creter Vault Corporation (CVC) and its affiliated companies in Flemington, New Jersey, where she gained firsthand, and hands-on, experience in the concrete industry.

Benjamin was also a summer intern at the CVC affiliate Concrete Lumber Manufacturing Group-NJ, LLC. She was a quality-control technician on a research and development team working with a prestressed, lightweight concrete product with characteristics of actual lumber in form and function. Benjamin's internship and co-op experiences led to a full-time position after graduation as an assistant quality-control manager with CVC.



Dr. Mahgoub involved in \$1 million research project June 21, 2014

Dr. Mohamed Mahgoub, CIM's program director at NJIT, has joined an international team working on an innovative system to detect dangerous weaknesses in bridges and other large structures. With a grant of just over \$1 million from the Qatar National Research Fund, the team is developing a wireless sensor network to monitor vibration, sagging and other factors that affect structural integrity and safety.

CIM Travels

Constructionarium Internship London, England May 17-24, 2014



The NJIT CIM program sent six students to London, England to participate in a 6-day working field course known as Constructionarium. Established over ten years ago, Constructionarium provides a "hands-on" construction experience for students and professionals; where participants construct scaled down versions of bridges, buildings, dams and civil engineering projects from all around the world. The principle is to link academic institutes with industry and to ensure that the students are able to apply the knowledge they have gained in a practical, safe and relevant environment.

Ravenspurn North is a North Sea gravity oil platform off the Humber estuary. Designed by Ove Arup, it was built on Teeside at Graythorp for BP. It was the platform that established the viability of concrete gravity structures and showed a different way forward from the US approach. The student version will be a 4m² concrete caisson with a steel scaffold superstructure and plywood platform. Students will build it in a dry dock and then float it to position in the deep lake. Their challenge will be to handle the creation of a large structure in a short time, and one which will be judged on its ability to float and be moved to its correct position. Students will need to sink the platform to the "seabed" in order to complete their project.

The basic model consists of a triangle formed by an academic institution, a contractor and a consultant; working in partnership to deliver a new learning experience which combines the academic perspective with those of the design professional and practical site delivery. Delegates are assessed throughout the week in respect of budgetary control, methodology and project management.

The UK trip was a successful and memorable trip for the students. Michelle Neri from NJIT was the Project Manager, Ruben Castillo from NJIT was the Assistant Project Manager and Hayden Bilyue from MTSU was the Construction Manager. "We hit some bumps in the road but manage to get back on track. We constructed everything ourselves. We did all the formwork and even poured our own concrete. We also did all the paperwork required for a huge project like this. Each student was assigned specific roles for the week and they were responsible for the work getting done. The days started at 7 am and ended around 8pm. All the students had a great time and learned so much. Our name was CIM USA and we opened the door for other students to come next year. They were very impressed with us because not only were we the smallest team but also we were able to build the project under budget. We saved half a million pounds!", said Michelle Neri.





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About

Newark College of Engineering

The Newark College of Engineering is one of the oldest and largest professional engineering schools in the United States. NCE offers 13 undergraduate degree programs, 16 master's and 10 doctoral degree programs. Undergraduate enrollment is more than 2,500, and more than 1,100 students enrolled in graduate studies. The 150-member faculty includes engineers and scholars who are widely recognized in their fields.

2014 Calendar of Upcoming Events

Summer, 2014

**Alcatraz Rehabilitation Project
 San Francisco, CA**

TBD

**Industry Guest Speakers,
 Socials, Field Visits**

September 4-5

**ACI SDC
 San Francisco, CA**

September 6-9

**PCI Conference
 Washington D.C.**

September 20-23

**NRMCA Concrete Works
 Indianapolis, IN**

October 26-30

**ACI Convention
 Washington D.C.**

TBD

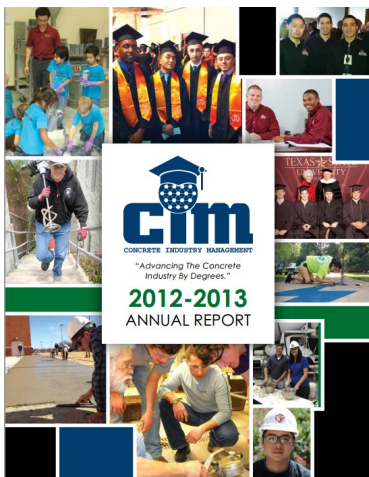
**NJACI Dinner Meeting
 ICRI Dinner Meeting**



CIM events are publicly available to be viewed on the NJIT CIM Flickr website. Upon entering the Flickr page you will have access to the photo stream of the most recent uploads as well as being able to open specific CIM events categorized in sets. Photographs and video recordings are continually uploaded. Click on the link below for immediate access to the NJIT CIM Flickr page:

www.flickr.com/photos/NJITCIM

2012-2013 CIM Annual Report



Every year, Brian Gallagher, CIM Marketing Committee Chairman, along with Amy Numbers, Vice President of Operations & ROI for Constructive Communication, Inc, make a great effort producing the CIM Annual Report.

"The CIM Annual Report is a summary of all of the great efforts, achievements and accomplishments of each CIM institution, faculty, staff, Patrons, and National Steering Committee," said Gallagher. "Every year I am more impressed by what is accomplished by the CIM program."

Please visit the link below to learn about the CIM program in a National level!

http://concretedegree.com.php53-14.ord1-1.websitetestlink.com/wp-content/uploads/2014/01/CIM_Report_2012-131.pdf