Greetings all! The start of the new academic year at NJIT is underway and the CIM program keeps going Jersey strong. We had two additional CIM graduates at the end of the summer. Both are employed full-time and that achievement keeps us at the 100% job placement rate to date.

During the summer we had the opportunity to work with two international exchange program students from India. Both were under my supervision working on concrete-related research initiatives. They were so excited about the CIM program that they wish to return in the future to pursue further research opportunities.

Our CIM students continue to be highly active in industry events. Two students attended the NRMCA conference in September and we are continuously engaged with the NJ ACI chapter, Metro NY ICRI Chapter, and the NJ Concrete and... Continued on page 2......
This fall our Patrons meeting will be held on December 12th on NJIT’s campus. Typically the meeting is held in their historic Eberhardt Hall but I am happy to say we have out grown the venue! This year the meeting will be held in the Atrium located within the Campus Center. This new venue will allow us to better accommodate the growing number both patron and student attendees. At this meeting we, the patrons, are given the opportunity to learn just how our money is being utilized to help educate and bring talented individuals into our industry. It is also, our opportunity to give our input on the curriculum and how the program might improve to better suit our needs.

This meeting is also attended by many of the current NJIT CIM students, (now 72!). Seniors are allowed to attend the full meeting giving them prime opportunity to network with the patrons as they will soon be looking for full time positions. All CIM students are allowed to join the group for lunch. This student involvement provides an opportune time for Patrons to scope out new potential employees!

We hope to see you on December 12th!!

Jamie Gentoso, CIM Northeast Patrons Chairperson

Anlee Orama, CIM Specialist

I have completed two years as the CIM Specialist and I could attest that much more has happened in this short time than in all the years since we first began. This has been the result of a relentless pursuit of success which has been evident to our Patrons, CIM students, NJIT community, and abroad.

Enrollment continues to be a struggle between recruitment and retention, both aspects becoming more challenging than ever before. During the beginning and end of the summer alone we lost eight students to graduation. That is a reduction of 11 percent in one swipe. However, with our recruitment efforts we were able to bounce back to our enrollment of 72 students by the start of September with the addition of first-time freshmen and internal transfers. Our 2013 Fall semester academic goal of 70 students or more have been met and we are confident we will meet or exceed our enrollment target of 80 students in Fall 2014.

We are finally reaping the fruits of our efforts in the NJIT community. I am an active member of the NJIT Academic Advising Success Center as well as a usual speaker for many on campus community and educational events where the CIM program is always presented. Many key personnel on the campus actively promote the program on our behalf and this relationship is very much appreciated.

Our relationships with the community college setting is becoming fortified with our continued inquiries to meet with key departments where the CIM program is a key fit. Our next goal is to create articulation agreements with community colleges for transfer students to work towards meeting their requirements to enter the CIM program in advance.

Finally, I have provided a list of the major events that took place over the summer into the start of the Fall semester. 

Continued on page 3....

Dr. Mohamed Mahgoub, CIM Program Director, continued...

Aggregate Association among others. We are forever thankful for all organizations commitment to the program.

I have attended the PCI conference in Grapevine, Texas for the first time and presented a paper there. I have also given a presentation about hurricane Sandy recovering effort at a public event in Long Branch, NJ. Finally, The Northeast Patrons Fall Meeting will take place on December 12 and we are expecting a great turn out. Please mark your calendar and feel free to invite your colleagues. All are welcome to participate in the CIM experience.
As part of an international exchange program between NJIT and Heritage Institute of Technology in Kolkata, India, two Indian students decided to pursue research interests in concrete applications. Dr. Mohamed Mahgoub became their graduate advisor for the summer months and guided them through the research process. The students, Satyam Mishra and Aupal Mondal, respectively worked on our ongoing research for testing fine contents in fine aggregates and soils and a new research interest in the optimization of modulus of elasticity of concrete through empirical blending of coarse aggregates. The combined efforts of everyone involved in the fine content testing research led Dr. Mahgoub to have a paper accepted by ASTM. This was a great accomplishment and further research is necessary to continue the testing process.

Dr. Mahgoub traveled to Long Branch, NJ to talk to a group of NJIT Architecture students about the benefits of using concrete as a building material. Ever since the devastation caused by Hurricane Sandy, many developers have been reconsidering their choices in building materials. Storm resilient design has been a common topic for the reconstruction of the Jersey shore and other affected areas. There is no doubt that using concrete instead of wood is the only practical insurance against severe conditions such as storms, hurricanes, and more. Evidence of this is pictured above. Dr. Mahgoub covered precast concrete, aerated autoclaved concrete, insulated concrete forms, and of course presented the CIM program and everything we are doing to advance the knowledge and awareness of the concrete industry.
The summer is a great time to go golfing, especially when the CIM students are given a golf cart and complimentary golf clubs to scramble through 18 holes. Not only do the students have a great time, they get to meet everyone in the organization and network. Many thanks to Bill Layton and Katie Gibbs for inviting us every year to this great event!

The ICRI Metro NY Chapter continues to work with the CIM program by continuously providing opportunities to attend their dinner meetings as well as their annual golf outing. This year’s outing was a great success for both ICRI and NJIT. As a tradition, our students design and build a concrete cup trophy for the winner of the outing. The students did a great effort to make the trophy and learned many skills and knowledge about concrete. Special thanks to Mr. Michael Davila, President of ICRI Metro NY Chapter, and everyone at ICRI Metro NY Chapter for supporting our program.

In addition, we have organized an NJIT ICRI student chapter and will be officially recognized in Chicago in November 13, 2013 at the ICRI Fall Convention. Special thanks goes to Mr. Dale Regnier, Manager for Marketing & Chapters, at ICRI National for guiding us through the process. Our students have worked very hard for this achievement and will become the second university, after California State University at Chico, to start a chapter.

Thanks to Dianne Johnston and the NJ ACI Chapter, our students have the opportunity to take the ACI Level I Field certification at the NY & NJ Port Authority facility at absolutely no cost. This summer two CIM students took the exam and became certified. We already have secured additional openings in the month of December.

Networking and professional events such as the NJ ACI dinner meetings continue to be a great venue for both the CIM program and our ACI student chapter. Here the students get to speak with the leaders in the concrete industry and further their capacity as young professionals.

With our upcoming ACI International competition coming up in October that involves the use of pervious concrete to optimize tensile strength and permeability, we consulted one of the biggest names in pervious concrete design. Kenneth Justice took the time to meet with the ACI student chapter to share his knowledge of pervious concrete to help us an edge in our competition. We are highly grateful for his sincere efforts.
The NJIT CIM program attended the 2013 National Ready Mixed Concrete Association (NRMCA) conference held at the Red Rock Casino Resort in Las Vegas, NV. Anlee Orama, CIM Specialist, and CIM students, Alma Villalba and Disan Katumba attended. Both students participated as judges for the 2013 NRMCA National Mixer Driver Championship which consisted of professional concrete mixer truck driver contestants tested in a challenging course where they had to prove their driving skills navigating through various trials.

We would like to show our appreciation to Robert Garbini, NRMCA President, and all of NRMCA for their great support for CIM. Also, special thanks go to Nicole Maher, Senior Vice President of Industry Relations & Special Programs, for her great effort coordinating the participation of the NJIT CIM students.

The ASCA convention was a great opportunity to meet and network with an extensive group of organizations, schools, and agencies all geared to the advancement of academics and career development of students across the globe. I personally made very important contacts in the NJ, PA, and other states which have direct access to potential students for the CIM program.

Joining me in this venue was Nicole Green, MTSU CIM program Marketing & Recruiting Coordinator. We both enjoyed the convention and look forward to the next one. We thank Brian Gallagher, for coordinating this fruitful event.

Dr. Mahgoub traveled to Texas to attend the PCI convention where he presented a technical paper titled “Seismic Design of Precast Wall Systems”. The use of these panels has several advantages includes short construction time and high concrete quality. There are many advantages of using coupling beams in the precast wall systems such as providing a better structural seismic response compared to isolated walls.

The paper discussed current studies involving the use of finite element methods to analyze inelastic static in large panel structures with deep coupling beams compared to slender beams. The results of the analyses were compared to the general design procedures proposed by the International Building Code (IBC) that applied to the precast coupled shear wall structure located in high seismic zone areas.
## 2013 Calendar of Upcoming Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
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<tbody>
<tr>
<td>October 19-21, 2013</td>
<td>ACI Conference</td>
<td>Phoenix, AZ</td>
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<tr>
<td>October 30, 2013</td>
<td>ICRI Dinner Meeting</td>
<td>NYC</td>
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<tr>
<td>November 13-15, 2013</td>
<td>ICRI Convention</td>
<td>Chicago, IL</td>
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<tr>
<td>December 8-11, 2013</td>
<td>CIM Directors ASTM Conference</td>
<td>Jacksonville, FL</td>
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<tr>
<td>December 12, 2013</td>
<td>NJIT CIM NE Patrons Meeting</td>
<td>NJIT</td>
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<tr>
<td>December 17, 2013</td>
<td>ACI level I Certification</td>
<td>Jersey City, NJ</td>
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<tr>
<td>January 22-24, 2013</td>
<td>World Of Concrete</td>
<td>Las Vegas, NV</td>
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<tr>
<td>March 19-26, 2013</td>
<td>CONEXPO—CON/AGG</td>
<td>Las Vegas, NV</td>
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<tr>
<td>TBD</td>
<td>NJACI Dinner Meeting</td>
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<tr>
<td>TBD</td>
<td>Industry Guest Speakers, Socials, Field Visits</td>
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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.

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All 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:

http://www.flickr.com/photos/68318880@N02/

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### 2011-2012 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!