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Chen Employee Birthdays



March 1
Carlos Tijerino



March 14
Patrick Kaimrajh, P.E.



March 31
Todd Nachomson



April 6 - 3 years
Pamela Munoz



April 11 - 6 years
Andres Aristizabal



April 15 - 16 years
Jason McClair, P.E.,
CFM, LEED® AP



March 21
Bill Daly, III



March 27
Alan Clayton



April 21 - 3 years
Andrew Savage, P.E.



April 25 - 1 year
Jennifer Kelton



April 12
Jason McClair, P.E.,
CFM, LEED AP®



April 15
Jose Tamo



April 18
Megan Schmidt



May 1 - 1 year
Antonio Fernandez de
Pina



May 2 - 2 years
Reginald Adams



May 14 - 6 years
Jose McCray



April 26
Michael Wood



May 26
Pamela Munoz



May 15 - 1 year
Vincent Locigno, E.I.



May 30 - 12 years
Jennifer Smith, P.E.

Chenniversaries

CHEN-MOORE
& ASSOCIATES

EDITION TWELVE
VOLUME 1
SPRING 2018

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CMA Presents at FSA Conference

Brent Whitfield, P.E. and Patrick Kaimrajh, P.E. presented at the Florida Stormwater Association conference at the Hilton Orlando in December. They presented on the Sunset 3/4 project for the City of Miami Beach. Over 150 engineers, scientists, stormwater managers, policy-makers and elected officials throughout Florida benefited from the conference's educational agenda.



A Message from the President

I sat in a conference a few months back and the speaker started his speech on automated vehicles with the sensational statement, "children born today will never drive a car." I knew he was making a bold statement to give gravity to his talk, but it got me thinking – particularly since Sofia was about to be born. I guess it would be possible that in 16 years, technology would advance so much that she would never drive. Maybe that wouldn't apply if she was living in a rural area, but, I've known people in New York City that lived their entire lives that have never driven – so it is possible.

I thought about the convenience for me of being able to work on my computer for two or three hours per day as I run between all of my meetings while my car took care of driving me around. But then I waded a little nostalgic. I like driving. As long as it isn't slugging through traffic jams, I love driving. Particularly when I lived in Gainesville, I'd just take off and drive the back country roads as a way of killing some time and relaxing. I also thought about the rite of passage that going through driver's ed class in the summer was, then taking that first driver's test and finally seeing that piece of laminated paper knowing it was a license for freedom. I felt badly that my daughter will likely never experience that.

As the speaker went on, I realized that there were more unintended consequences than experiences that my daughter will miss out on. There has been a lot of discussion about the loss of driving jobs. The Uber algorithm learns every time you and I show our driver a shortcut and soon they'll be doing it without the driver. Taxi and limousine drivers that now work 12 hours a day to make ends meet will be left out in the cold. The most significant impact will be to the 3 million truck drivers.

Driverless cars won't need to park. If cars don't park, then don't pay parking fees. That sounds great until you realize that the local theater gets a large chunk of its revenue from its attached parking garage, so seats to watch a great musical may go up accordingly. Airports derive large sums from parking. The cost of your next vacation may go up as a result.



The unintended consequences go deeper. What else don't driverless cars do (as often)? Crash. When you realize the majority of organs for organ donations come from otherwise healthy people dying in automobile crashes, then those waiting for a new kidney or heart are going to wait a lot longer if we don't find another way of developing organs.

The McKinsey Global Institute produced a report last year that boldly stated that over 30% of jobs that exist today won't exist in 2030. Let that sink in. 12 years from now, about one third of people won't be doing what they are doing today. I've been practicing engineering for 20 years and it feels yesterday like I just graduated – 12 years will be here before we know it.

While the work we do – engineering, landscape architecture and planning – isn't on the McKinsey "hit list," it means that the way we do business will change. It means that the needs of our clients will change. It means that we will need to change. Since my degrees gave me expertise in engineering, I have some learning to do to keep up.

I've started by reading books authored by Alec Ross, Jerry Kaplan and Andrew McAfee about their visions of the future. I was a little concerned that the Rise of the Robots by Martin Ford and The Second Machine Age by Erik Brynjolfsson and Andrew McAfee were New York Times bestsellers – do that many people have a jump on this thinking? Needless to say, I'm doing my "homework" on this subject and I'm looking to form a study group. If you're interested in a similar discussion, please drop me a line.

In the meantime, things march on here at CMA. We're still looking to expand our influence by making giving back to the community fundamental to our culture. Those are the types on unintended consequences that I love to see.

Peter Moore, P.E., F.ASCE, ENV SP, LEED® AP, President

EDITION TWELVE • VOLUME 1 • SPRING 2018

Civil and Environmental Engineering | Construction Inspection and Administration | Master Planning | GIS | Landscape Architecture

Meet our New Employees!

Employee: Madeley Arriola

Guerrero

Office: West Palm Beach

Title: Associate Engineer

Ms. Arriola

Guerrero recently

joined CMA as an

associate engineer in our West

Palm Beach office. Her previous

experience includes serving

as a civil engineering intern

for FDOT where she gained

experience with batching, mixing,

gyration, AASHTO and ASTM test

procedures.

Employee: John

Gorham

Office: Orlando

Title: Senior

Landscape Architect

Mr. Gorham brings three decades

of public and private project

experience. He also has 10 years

experience in the construction

of underground utilities, paving

and stormwater facilities. He has

broad experience in urban design,

site planning and development

for a wide variety of projects

throughout Florida. His skills

include landscape inspections,

environmental site assessment,

tree appraisal and wetland

delimitations. In addition, John

has served on a state level,

participating on the Governor's

Stormwater Task Force, FDEP's

Stormwater Treatment Technical

Advisory Committee, and the

Florida Board of Landscape

Architects.

West Palm Beach Waterfront Cleanup

CMA's West Palm Beach office adopted a portion of the City's waterfront for maintenance through West Palm Beach Parks and Recreation. One afternoon a month, CMA staff weeds beds, cleans up garbage and plants new shrubs near the City's main docks by Clematis.



MLK Day of Service

Senior Engineer Safiya Brea, P.E., LEED® AP participated in the MLK day of service with Leadership Florida Connect. The team completed murals, landscaping and renovations of the staff lounge at Phillis Wheatley Elementary School in Miami. Leadership Florida is thrilled to have all members invited to participate in this second annual statewide event. The goal of the second annual statewide event is to bring together all Leadership Florida members for events benefiting local organizations in each region, providing all members with an opportunity to give back to their communities. For more information, please visit: <http://www.leadershipflorida.org/day-of-service>



FES Broward MATHCOUNTS

FES' Broward Chapter MATHCOUNTS Competition was held Saturday, February 10 at Miramar High School in Fort Lauderdale. CMA staff volunteered for the event (pictured left to right): Vince Locigno, E.I.; Joel Brownsey, E.I.; Patrick Kaimrajh, P.E.; Daniel Davila, P.E.; Teresa Lewis, E.I.; Natalie Mecklenburg; Jessica Diaz, E.I.; Kathy Horrigan; and Dharma Ramsaran (guest). The MATHCOUNTS Foundation is a 501(c)(3) non-profit organization that strives to engage middle school students of all ability and interest levels in fun, challenging math programs, in order to expand their academic and professional opportunities. For more information, please visit <http://www.mathcounts.org/>



CMA Holiday Party

The CMA holiday party was held December 15 aboard the Catalina Sun Dream Yacht in Fort Lauderdale. The event was a great opportunity for our employees and board members to socialize and commemorate a successful 2017. The evening included a welcome speech from our President Peter Moore, P.E., F.ASCE, ENV SP, LEED® AP, a year-in-review slide show reliving both firm and employee milestones throughout 2017 and comical holiday JibJab videos highlighting our owners. Each office received an award – Fort Lauderdale for the Business Award; Miami for the People Award; West Palm Beach for the Technology Award and Orlando for the Phoenix Award. Thank you to our Social Activities Committee for planning the event – Jessica Diaz, Karen Rachles, Teresa Lewis, Miguel Lockward, Pamela Munoz, Safiya Brea, Jennifer Kelton and Teresa Chapman.



Healthy Day

The Social Activities Committee held 'Healthy Day' on Thursday, January 25 in all offices! CMA's West Palm Beach office climbed the stairs in the morning, took an after lunch outdoor walk and did late afternoon yoga. Our Fort Lauderdale office started their day with a healthy breakfast and sun salutations followed by chair exercises late morning. After lunch the crew enjoyed a walk outside and took the stairs. The day was ended with energizing stretches and exercises. Healthy food was enjoyed throughout the day.



Future City Competition

Miguel Lockward, E.I., Patrick Kaimrajh, P.E. and Teresa Lewis, E.I. served as judges for the Future City Competition at FIU College of Engineering on January 20, and Jose Acosta, P.E., F.ASCE served as one of the three coordinators for the event. 42 schools signed up and eight moved on to compete in the South Florida Region competition. Future City is a national competition in which groups of middle school students present their idea of what a city would look like 100 years from now and how that city would effectively deal with the demands of a global sustainability problem. Future City St. Hugh Catholic School scale model The project involves several components: a virtual model of the futuristic city, a physical model of a section of the city, an essay and a presentation. The students work with guidance from their teacher and an engineering mentor.



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