



# The CIAPR Exterior Chapter With Headquarters In Florida Welcomes You To Our *Annual Assembly and Convention*



**JUNE 20TH TO 23RD 2024**

**Hilton Palm Beach Airport**

**150 Australian Ave**

**West Palm Beach, FL 33406**

#### Amenities

Free Parking / Wireless Internet / Pool

20% discount in local restaurants (Tony Romas y Starbucks).

Free Shuttle to Downtown West Palm Beach and the Airport

#### Local Attractions

Palm Beach Zoo / Cox Science Center and Aquarium / Downtown

West Palm Beach / Norton Museum of Art / Ann Norton

Sculpture Gardens / Henry Morrison Flagler Museum / Mounts

Botanical Garden / McCarthys Wildlife

/ Tanger Outlets Palm Beach





# “COLEGIO EN TU CASA”

## & PUERTO RICO LAWS, REGULATIONS AND ETHICS FOR ENGINEERS AND LAND SURVEYORS



[florida@ciapr.org](mailto:florida@ciapr.org)



[www.exterior-ciapr.com](http://www.exterior-ciapr.com)



CIAPR PRESIDENT FAUSTINO GONZALEZ QUILES, PE

Come and participate in this upcoming conversation/Q&A with the President of the College of Engineers and Land Surveyors of Puerto Rico (CIAPR). The President will discuss topics related to membership, institution financial affairs, continued education, legislation, and professional certification concerns in PR, among other interesting topics. Please submit your questions and concerns beforehand to [florida@ciapr.org](mailto:florida@ciapr.org).

**DATE:**  
Friday, June 21<sup>st</sup>,  
2024

**TIME:**  
6:30 PM – 8:30 PM

Casual Attire

“hors d'oeuvres will be served”

**PLACE:**  
Hilton West Palm  
Beach PBI  
150 Australian Ave,  
West Palm Beach,  
FL 33406

**REGISTRATION:**  
FREE  
RSVP





FOUNDED 1916



Florida Engineering Society



# ORDER OF THE ENGINEER



## WHAT IS THE ORDER OF THE ENGINEER CEREMONY?

A ceremony at which graduate and registered engineers are invited to accept the Obligation of the Engineer and a stainless steel ring.



## WHY SHOULD I PARTICIPATE IN A CEREMONY?

The Obligation is a pledge to uphold the standards and dignity of the engineering profession. The Order is not a membership organization; there are never any meetings to attend or dues to pay. Instead, the Order fosters a unity of purpose and the honoring of one's pledge lifelong.

## Questions?

Dr. Charles Davis, Jr. (386) 226-7284 - [davisc14@erau.edu](mailto:davisc14@erau.edu)  
Omar Rodriguez, PE (904) 791-4598- [omar.rodriguez@haskell.com](mailto:omar.rodriguez@haskell.com)

The Order of the Engineer was initiated in the United States to foster a spirit of pride and responsibility in the engineering profession, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the engineer.



## WHEN ARE UPCOMING CEREMONIES?

**Florida CIAPR Conference | June 20-22, 2024**

**Ceremony on June 21, 2024, at 12:00 pm**

*Hilton Palm Beach Airport*

*150 Australian Ave*

*West Palm Beach, FL 33406*

**Registration due May 24, 2024**



**National CIAPR Conference | August 4-11, 2024**

**Ceremony details TBD**

*El Conquistador Resort*

*1000 Avenida El Conquistador*

*Fajardo, 00738, Puerto Rico*

**REGISTER NOW**





**CIPR-FL**



**CIPR**



# 23rd ANNUAL AWARDS GALA



# CARIBE

## Groove

**SATURDAY  
JUNE  
22nd**

**Cocktail hour  
6pm**

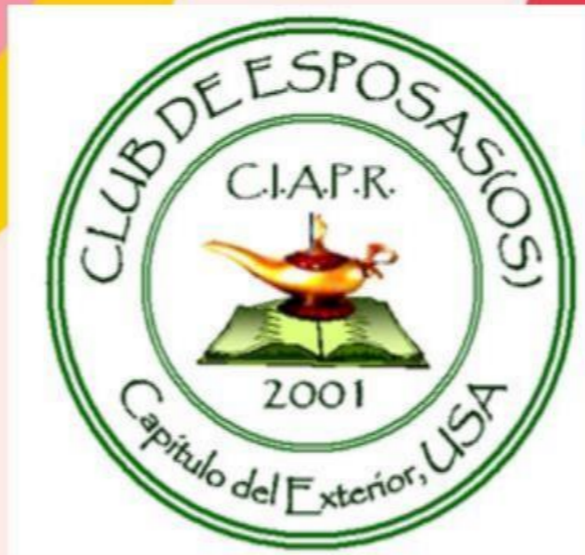
**COCKTAIL**

**GALA NIGHT**

**ANNIVERSARY**

HILTON PALM BEACH AIRPORT HOTEL - WEST PALM BEACH FL





Join us for a fun morning  
Spouses Club of the Florida Chapter  
Annual Assembly and Keynote Speaker

**Agenda:**

**7:00am to 8:30am Breakfast**

**8:30am to 9:00am Registration**

**9:00am to 10:30am Keynote Speaker**

**10:30am to 12:30pm General Assembly**

**12:30pm to 1:30pm Lunch**

**At the Hilton West Palm Beach PBI  
150 Australian Ave, West Palm  
Beach, FL 33406**

On Saturday June 22nd, at 9:00am

Members \$25.00 / On site \$35.00

RSVP



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# A Super Specialized Chatbot to Navigate SOPs

## Thursday, June 20<sup>th</sup>, 2024 @ 8:00 AM (EST-FL)

2.0 HOURS SEMINAR  
GENERAL HOURS FOR SURVEYORS and  
TECHNICAL HOURS FOR ENGINEERS

- Thursday, June 20th, 2024
- COURSE STARTS AT 8:00 AM EST (Florida)
- IN-PERSON/VIRTUAL – ZOOM PLATFORM

- PRICE:  
\$60 – CIAPR MEMBERS  
\$84 – ALL OTHERS

STUDENTS FREE WITH PROOF OF ADMISSION

\*CONFERENCE PACKAGES  
AVAILABLE\*

\*LUNCH PROVIDED FOR MULTIPLE SEMINARS  
ATTENDEES\*

REGISTRATION: UNTIL 6/17/2024 @ NOON  
[WWW.CIAPR.ORG](http://WWW.CIAPR.ORG) → SEMINARIOS



CIAPR-Capitulo de Exterior  
con Sede en la Florida



### Hector Monroy

Mr. Hector Monroy is a business optimization expert dedicated to the practical application of cutting-edge technologies including artificial intelligence (AI), internet of things (IoT), analytics, machine learning, and big data to help organizations provide superior services to their clients

**Seminar Scope:** Seminar Scope: Artificial Intelligence practical application in the development of Standard Operating Procedure to maximize productivity and efficiency.

**Seminar Topics:** Artificial Intelligence, practical applications, SOP's



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# Introducción a la corrosión: tipos, factores, control y protección de materiales

## Thursday, June 20<sup>th</sup>, 2024 @ 10:00 AM (EST-FL)

2.0 HOURS SEMINAR  
GENERAL HOURS FOR SURVEYORS and  
TECHNICAL HOURS FOR ENGINEERS

- Thursday, June 20th, 2024
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Ing. Florabel R. Toro Rodríguez, Esq, PE, MEChE

### Agenda

- La interacción de los metales con su medio ambiente: utilidad, en términos económicos y humanos.
- La corrosión de los metales
- ¿Qué es la corrosión?
- El porque de la corrosión
- Consideraciones electroquímicas
- Caso especial: la celda galvánica
- Pasivación
- Clasificación de la corrosión
- Factores que influyen en la corrosión.
- Control de la corrosión y protección de los materiales
- Algunas aplicaciones

### Reseña

La Ing. Florabel R. Toro Rodríguez nació en San Juan, Puerto Rico. Estudió en la Escuela Secundaria de la Universidad de Puerto Rico (UHS). Obtuvo su grado de bachiller y maestría en ingeniería química de la Universidad de Puerto Rico, Recinto de Mayagüez, y el grado de *juris doctor* de la Escuela de Derecho de la Universidad de Puerto Rico, todos *magna cum laude*.

Es ingeniera licenciada y abogada notaria. Se desempeña como profesora de ingeniería química en la Universidad Politécnica de Puerto Rico. Ejerce como consultora y perito en temas de ambiental, salud y seguridad. Ha ofrecido múltiples seminarios sobre estos temas. Es recurso tanto para el Colegio de Químicos de Puerto Rico (CQPR) como para el Colegio de Ingenieros y Agrimensores de Puerto Rico (CIAPR) para los repasos de reválida.

La Ing. Toro Rodríguez fue integrante del Tribunal Disciplinario y de Ética Profesional del CIAPR de 2010 al 2015. En el 2013 fue reconocida como Mujer de Vanguardia y en el 2016 como Ingeniera Distinguida ambos por el Instituto de Ingenieros Químicos del CIAPR. Actualmente es la vicepresidenta por los ingenieros del CIAPR.

Es la orgullosa madre de Ángel David (QDEP), José Ángel y Ángel Efraín, y feliz abuela de Ángel Alejandro, Sofía Elise y Emma Penelope.

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# LiDAR, Photogrammetry and Remote Sensing Seminar

Thursday, June 20th, 2024 @ 1:00 PM (EST-FL)

2.0 HOURS SEMINAR  
TECHNICAL HOURS FOR SURVEYORS and  
GENERAL ENGINEERS

- SATURDAY, Thursday June 20<sup>th</sup>, 2024
- COURSE STARTS AT 1:00 PM EST (Florida)  
IN-PERSON/VIRTUAL – ZOOM PLATFORM

- PRICE:  
\$60 – CIAPR MEMBERS  
\$84 – ALL OTHERS

STUDENTS FREE WITH PROOF OF  
ADMISSION

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ATTENDEES\*

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**Daniel E. Bidot, PLS, MS Planologie**

Mr. Daniel Bidot has a B.S. in Surveying and Mapping from the Polytechnic University of Puerto Rico (2016), a M.A. in Philosophy from the University of Puerto Rico (2018) and a M.S. in Planologie (Urban and Regional Planning) from the University of Amsterdam (2019). He practices land surveying and mapping in Puerto Rico and Florida and is currently the Office Manager for Precision Measurements, Inc at Fort Lauderdale, FL. Since starting his professional career at Javier E. Bidot and Associates, Mr. Bidot has also worked closely with the construction, planning and architectural sectors.

**Seminar Scope:** Seminar Scope: Integration of Urban planning and Surveying in the Pre-Conceptual and Conceptual stages of a project. Using holistic methodologies to create infrastructure solutions that are efficient and cater to the local community.

Seminar Topics: Urban Planning, Surveying, GIS, Techniques.

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# Application of Project Management Skills in the coordination of Special Events-F1 Race

Thursday June 20<sup>th</sup>, 2024 @ 3:00 PM

Jose Bayala

2.0 HOURS SEMINAR  
GENERAL HOURS FOR SURVEYORS and  
ENGINEERS

- Thursday, June 20th, 2024
  - COURSE STARTS AT 3:00 PM
- IN-PERSON/VIRTUAL – ZOOM PLATFORM

• PRICE: \$60.00 CIAPR / \$84.00 Nonmembers  
STUDENTS FREE WITH PROOF OF ADMISSION

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\*LUNCH PROVIDED FOR MULTIPLE SEMINARS  
ATTENDEES\*

REGISTRATION: UNTIL 6/17/2024 @ NOON  
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Mr. Bayala is an experience civil engineering professional in the areas of project management. Currently, he is the Sr. Manager, Event Operations For The Formula 1 Crypto.com Miami Grand Prix at F1 Miami Grand Prix. Prior to his, Mr. Bayala has worked as a Project and Construction Manager with various Construction firms in the Atlanta Region

**Seminar Scope:** The presentation will provide an overview on the concepts of project management and applications and project management and civil engineering concepts in developing and managing special public events



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# Water Control Structures Design & Construction

## Friday, June 21<sup>st</sup>, 2024 @ 8:00 AM (EST-FL)

3.0 HOURS SEMINAR  
TECHNICAL HOURS FOR SURVEYORS and FOR ENGINEERS

- Friday, June 21th, 2024
- COURSE STARTS AT 8:00 AM EST (Florida)
- IN-PERSON/VIRTUAL – ZOOM PLATFORM

- PRICE:  
\$90 – CIAPR MEMBERS  
\$126 – ALL OTHERS

STUDENTS FREE WITH PROOF OF ADMISSION

\*CONFERENCE PACKAGES AVAILABLE\*

\*LUNCH PROVIDED FOR MULTIPLE SEMINARS ATTENDEES\*

REGISTRATION: UNTIL 6/17/2024 @ NOON  
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Speakers: Carmelo Ramos, PE, Nestor Santana, PE, Jossmel Cruz, PE, and Juan H. Vazquez, PE, PH, BCEE

The speaker's team works for R.J. Behar & Company, Inc. (RJ Behar). RJ Behar has been providing services to the South Florida Water Management District (SFWMD) for more than 20 years. During that time, the firm has been involved in the inspection, rehabilitation, design, and construction management of dozens of water control structures.

The state of Florida is divided into five water management districts. In particular, the South Florida area is managed by the SFWMD.

The SFWMD's mission is: To safeguard and restore South Florida's water resources and ecosystems, protect our communities from flooding, and meet the region's water needs while connecting with the public and stakeholders.

The SFWMD is a regional governmental agency that manages the water resources in the southern half of the state, covering 16 counties from Orlando to the Florida Keys and serving a population of 9 million residents. It is the oldest and largest of the state's five water management districts. Created in 1949, the agency is responsible for managing and protecting water resources of South Florida by balancing and improving flood control, water supply, water quality and natural systems.

The SFWMD operates and maintains the regional water management system known as the Central and Southern Florida Project, which was authorized by Congress more than 60 years ago to protect residents and businesses from floods and droughts. This primary system of canals and natural waterways connects to community drainage districts and hundreds of smaller neighborhood systems to effectively manage floodwaters during heavy rain .

Among the water control structures managed by the SFWMD there are weirs, pumps, spillways, dikes and levees, and culverts.

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# Ética y Regulación en la Ingeniería y la Agrimensura: Perspectivas Actuales

## Friday, June 21<sup>st</sup>, 2024 @ 11:00 AM (EST-FL)

1.0 HOURS SEMINAR  
TECHNICAL HOURS FOR SURVEYORS FOR  
ENGINEERS

- Friday, June 21st, 2024
- COURSE STARTS AT 11:00 AM EST (Florida)
- IN-PERSON/VIRTUAL – ZOOM PLATFORM

- PRICE:  
\$30 – CIAPR MEMBERS  
\$42 – ALL OTHERS

STUDENTS FREE WITH PROOF OF  
ADMISSION

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\*LUNCH PROVIDED FOR MULTIPLE SEMINARS  
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NOON

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CIAPR-Capitulo de Exterior  
con Sede en la Florida

Ing. Florabel R. Toro-Rodríguez, Esq. PE

### Agenda Seminario de Ética

1. Breve trasfondo histórico de la Ética
2. ¿Por qué surgen los cánones de ética de las profesiones?
3. Cánones de Ética del Ingeniero y Agrimensor
4. Tribunal Disciplinario y de Ética Profesional
5. Resoluciones del TDEP
6. Conclusión

### Reseña

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# Managing Construction Risks: Force Majeure, Insurance, Procurement, and Claims in a Changing Climate

Friday, June 21<sup>st</sup>, 2024 @ 2:00 PM

2.0 HOURS SEMINAR  
GENERAL HOURS FOR SURVEYORS and  
ENGINEERS

- FRIDAY, June 21<sup>th</sup>, 2024
  - COURSE STARTS AT 2:00 PM
  - VIRTUAL – CIAPR ZOOM PLATFORM
  
  - PRICE: \$60 for members, \$84 for non-members
- STUDENTS FREE WITH PROOF OF ADMISSION
- \*CONFERENCE PACKAGES AVAILABLE\*
- \*LUNCH PROVIDED FOR MULTIPLE SEMINARS ATTENDEES\*

REGISTRATION: UNTIL 6/17/2024 @ NOON  
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**Wilson Ortiz Vega**  
Executive Vice President |  
Midwest Construction Leader

Wilson works with clients on providing proactive risk solutions and insurance strategies within the construction and infrastructure segment. As Midwest Construction Leader, he supports construction and infrastructure clients in defining, assessing, mitigating, and transferring their unique risks. He is responsible for coordinating the delivery of all Gallagher resources to our clients, supervising the client team, developing marketplace strategies, and crafting solutions for unusual business and insurance risks.

**Seminar Scope:** The presentation will provide an overview on the current landscape of managing construction risks given the increase of climate events and its impact on contract clauses, claims procedures, and contract procurement.

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# Rum Manufacturing Process at Destileria Serralles, Puerto Rico

## Don Q Rum Brand

Friday, June 21st, 2024 @ 4:00 PM

### Technical Seminar and Sampling of Products

2.0 HOURS SEMINAR  
GENERAL HOURS FOR SURVEYORS and  
TECHNICAL HOURS FOR ENGINEERS

- FRIDAY, June 21<sup>st</sup>, 2024
  - COURSE STARTS AT 4:00 PM
  - VIRTUAL – CIAPR ZOOM PLATFORM
- 
- PRICE: \$110 for members, \$154 for non-members
- STUDENTS FREE WITH PROOF OF ADMISSION
- \*CONFERENCE PACKAGES AVAILABLE\*
- \*LUNCH PROVIDED FOR MULTIPLE SEMINARS ATTENDEES\*

REGISTRATION: UNTIL 6/17/2024 @ NOON  
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**Liza A. Cordero Ramos**  
"Rum Distillery Master Blender"

This technical seminar will delve into the intricacies of rum production, focusing specifically on the esteemed Don Q trademark. Participants can expect comprehensive coverage of the fermentation, distillation, aging, mixing, and bottling processes. Following the seminar, attendees will have the opportunity to engage in a sensory experience, sampling rum at various stages of production.

Engineer Cordero brings over 30 years of expertise as a chemical engineer, boasting successful contributions across multiple facets of Bulk Operations, Distillation, Fermentation, Utilities, and Waste Water Treatment Operations. Her portfolio includes driving process enhancements through the establishment of key performance indicators, implementation of efficiency calculations, formulation of new automation control strategies to ensure optimal performance, and the modification of SOPs to uphold consistent product quality. Additionally, Engineer Cordero serves as the Rum Distillery Master Blender at Destilería Serralés, with an impressive tenure of 19 years.

Located in Ponce, Puerto Rico, Destilería Serralés stands as a renowned rum producer, most notably recognized for its iconic Don Q rum brand. As Puerto Rico's oldest family-owned company, Destilería Serralés boasts revenues surpassing 100 million dollars. Since its launch in 1865 in Mercedita, Ponce Destilería Serralles brands have captivated audiences and gained widespread popularity. Beyond rum production, the distillery also diversifies its offerings with medicinal alcohol, vodka, and gin.

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