

# 2020 THEME: "Gearing Civil Engineers Towards Professional Competencies"

## PICE Qatar Chapter 4<sup>th</sup> Quarterly Report 2020



PHILIPPINE INSTITUTE OF CIVIL ENGINEERS  
QATAR CHAPTER  
International Charter No. I-03  
P.O. Box No. 30628, Doha, State of Qatar

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# OCTOBER 2020



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# THE EXECUTIVE COMMITTEE BOARD MEETING



There were 22 attendees consisting of 15 BODs, IPP, 5 Council of Advisers, and 2 Standing Committee Chairmen

10<sup>th</sup> Executive Monthly Meeting  
Oct 2, 2020  
Zoom, Doha, Qatar

# COMMITTEE ON PUBLICATIONS AND INFORMATION (COPI)



Most Outstanding Newsletter  
for 2017, 2018 and 2019

## PICE Qatar NEWSLETTER

The Official Publication of the Philippine Institute of Civil Engineers – Qatar Chapter

www.piceqatar.com



OCTOBER 2020 ISSUE

**“**

**The Importance of Geotechnics  
in Civil Engineering**

Anna Grace Villamor  
PICE Webinar Series # of 2  
16 October 2020

Screen Capture of the webinar's Topic

**8<sup>TH</sup> PICE QATAR WEBINAR  
LECTURE SERIES A SUCCESS**

Meliza Ortiguerra

**P**ICE Qatar conducted its 8<sup>th</sup> webinar, this time on The Importance of Geotechnics in Civil Engineering and it was indeed a success, paving its way to a much-appreciated perspective.

The webinar was divided into two day sessions which were held last October 9 and 16, 2020. The speaker, Engr. Anna Grace Villamor, Engineering Manager from Fugro Qatar, exemplified the history review of geotechnics and how technology advances the field of geotechnics. With her knowledge and experiences in the field combined, she imparted a valuable information into a different height.

As defined in the discussion: Geotechnical Engineering is the process of understanding and working with soil and rock, underground water, site and structural condition, in relation to a construction project.

Correspondingly, geotechnical engineers are responsible for the:

- Site characterization, investigation/
- Evaluation of geotechnical hazards,
- Determination of bearing capacity, deformation of foundations, and likely interactions between soil, foundation and the structures,
- Assessment of the earth pressure and the performances of the retaining walls,
- Analysis of embankment behavior, strength of excavations, caves, tunnels,
- Conducting site response analyses.

We have been given a historic review from the:

- Soil Problems in Prehistoric

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October 2020 issue . A 20 pages news letter.



# COMMITTEE ON PUBLICATIONS AND INFORMATION (COPI)



The COPI Chairmen with the rest of the team welcome the newest members of the committee. Orientation was held at the MIA Park. It was attended by almost 15 members and 2 advisers.

October 2, 2020

# COMMITTEE ON HONORS AND PROFESSIONAL LICENSURE EXAMINATIONS (COHOPLE)



Commencement of batch 2021. Aspirants once again join the review thru online in preparation to the 2021 Special Board Examination  
Doha, Qatar  
October 16, 2020



# COMMITTEE ON CONTINUING PROFESSIONAL ADVANCEMENT



**Webinar on the Importance of Geotechnics in Civil Engineering**  
**Lecturer: Engr. Anna Grace G. Villamor**  
Attended by 65 active members.

October 9 and 16, 2020  
Doha, Qatar

# COMMITTEE ON INTERNATIONAL AWARDS



Kick off Meeting with the team as a preparation of the submission of the chapter's entry

October 25, 2020  
Doha, Qatar



# NOMINATION AND ELECTION COMMITTEE



The NOMELEC conducted an interview and screening of the 2021 BOD candidates.  
Candidates for 2021 BOD's: 18 Active Members

October 28, 2020  
Doha, Qatar

# INTERNATIONAL CHAPTER'S PRESIDENT'S MEETING

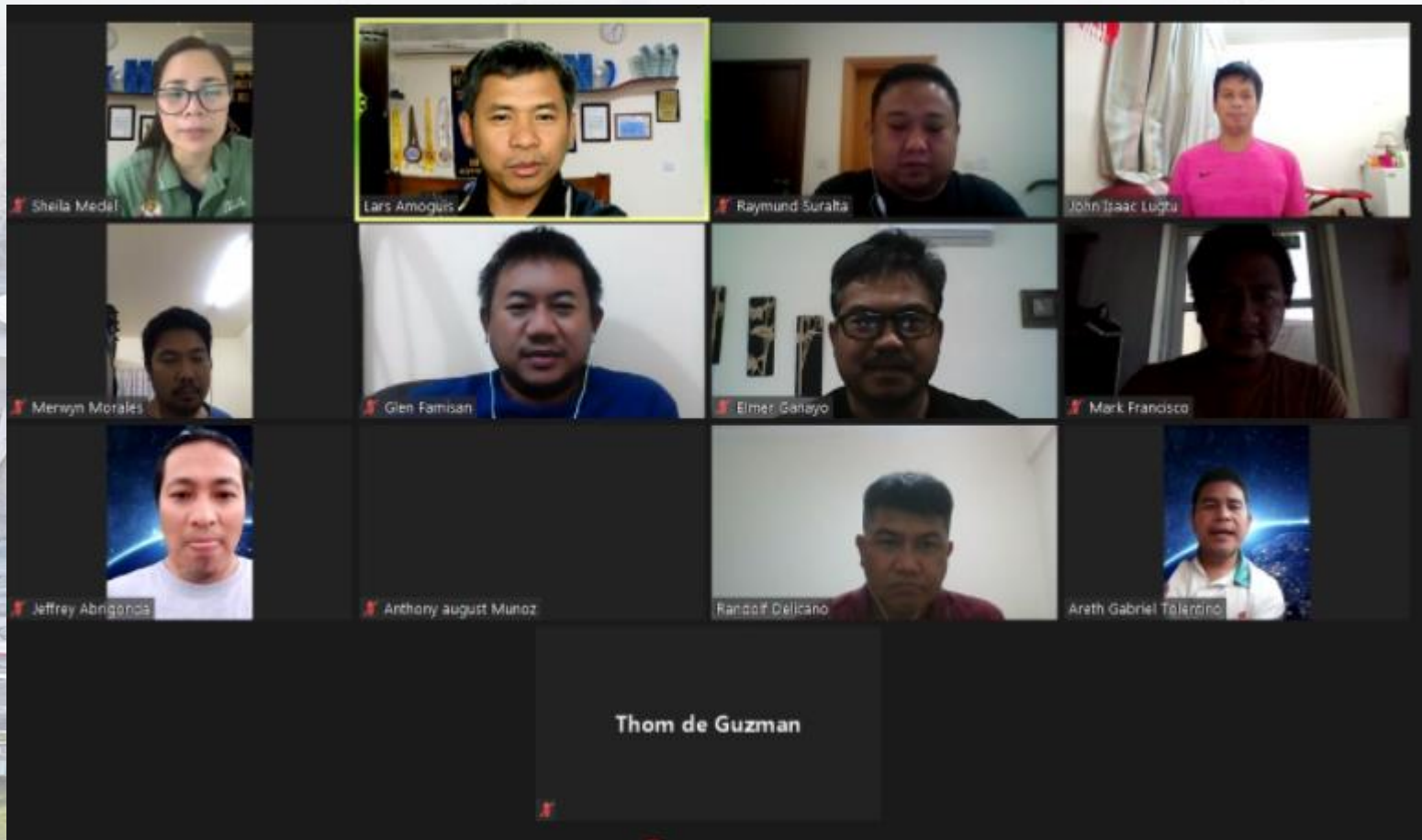


2nd teleconference  
meeting of the International Chapters was held, 9:00 PM, Philippine time.

October 30, 2020  
Doha, Qatar



# AD-HOC COMMITTEE on PROFESSIONAL EDUCATION



Batch 5, MME Refresher Course. For months that it was put on hold, the committee decided to continue the refresher course online. There were around 15 attendees.

October 30, 2020  
Doha, Qatar

# SUPPORT PROGRAMS AND EVENTS COMMITTEE FOR STUDENTS COMMITTEE (SPECS)

FEU INSTITUTE OF TECHNOLOGY

## THE GREAT ESCAPE

HOW TO BOUNCE BACK FROM A SETBACK

**ENGR. ARNEL PUNSALAN**  
DESIGN ENGINEER - 1  
DOHA, QATAR

**ENGR. MICHELLE MIRANDA**  
ASSOCIATE DIRECTOR  
CAMBRIDGE, UNITED KINGDOM

**ENGR. MARU RICO**  
CONSTRUCTION CIVIL ENGINEER  
CALIFORNIA, USA

**OCTOBER 30, 2020**  
FRIDAY  
05:00 PM  
VIA ZOOM

CESMINAR

THE GREAT ESCAPE WEBINAR 2020

## Thank you Engr. Arnel Punsalan

for being our guest speaker in the webinar  
"THE GREAT ESCAPE: HOW TO BOUNCE BACK FROM  
A SETBACK"  
held on the 30th day of October 2020.



The FEU Institute of Technology had conducted a webinar entitled – “The Great Escape: How To Bounce Back From A Setback” which features stories and experiences of Civil Engineers that continue to practice their profession in the midst of challenges. Among the resource speakers was Engr. Arnel Punsalan, Past President of PICE Qatar Chapter who imparted his knowledge and experiences on the topic.

October 30, 2020  
Doha, Qatar



# SUPPORT PROGRAMS AND EVENTS COMMITTEE FOR STUDENTS COMMITTEE (SPECS)



The Philippine Institute of Civil Engineers, Inc. (PICE) conducted an orientation of the volunteers for the Virtual Internship of Students via Mentoring or Apprenticeship (VISMA). The event was attended by about 50 volunteers from all over the world where Dr. Francis Aldrine Uy, PICE National Director, explained the mechanics and objectives of the program.

October 31, 2020  
Doha, Qatar



# NOVEMBER 2020



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# THE EXECUTIVE COMMITTEE BOARD MEETING



There were 21 confirmed attendees consisting of 13 BODs, IPP, 6 Council of Advisers, and 2 Standing Committee Chairmen.

11<sup>th</sup> Executive Monthly Meeting  
November 6, 2020  
Zoom, Doha, Qatar

# COMMITTEE ON PUBLICATIONS AND INFORMATION (COPI)

MOST OUTSTANDING NEWSLETTER  
FOR 2017, 2018, AND 2019



## PICE Qatar NEWSLETTER

The Official Publication of the Philippine Institute of Civil Engineers – Qatar Chapter  
www.piceqatar.com

NOVEMBER 2020 ISSUE

### 14TH GENERAL ASSEMBLY & VIRTUAL TECHNICAL CONVENTION A SUCCESS!

*Alden Cayaga*



**The PICE Qatar Chapter conducted its 14th Annual General Assembly & Virtual Technical Convention on November 27, 2020, with the theme "PICE Qatar: Exploring Ways with Solidarity to Keep Up with Civil Engineers' Vision of Sustainable Construction Under the New Normal".**

The first part of the event covers the Virtual Technical Convention which includes the keynote address delivered by PICE National President, Dr. Erdan Rene Suero, and followed by Engr. Federico Monsada, President of the Philippine Technological Council (PTC), The Hon. David Des T. Dicang, Labor Attaché II of the POLO Qatar, also delivered a special message in the afternoon session during the General Assembly Meeting proper. Covered topics for the Virtual

Technical Convention includes the following:

- Session 1 - Shift to Digital Construction Under the New Normal by Engr. April Angela A. Santos (4D BIM Specialist, PICE-SG, AAACE, FPEA)
- Session 2 - Unlocking the People Puzzle in Projects with DISC: Profiling by Mr. Nigel Smith (Principal, Nigel Smith Coaching)
- Session 3 - Qatar Law: Construction and Engineering Contract Awareness by Mr. John Coghlan (Principal, C&E Legal Solutions)
- Session 4 - The Process of Professional Licensing in Canada for Internationally Educated Engineers by Engr. Mervin M. Cereno (M.Sc./CE, P.Eng.)

(Continued on page 7)

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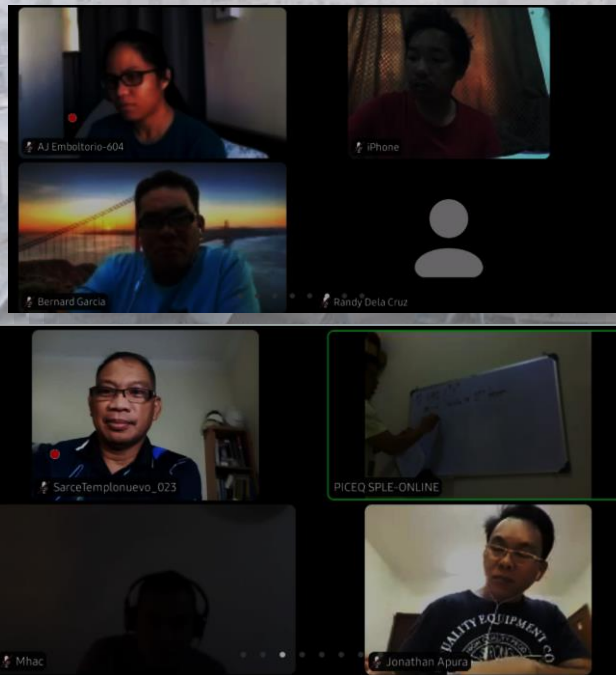
**Layout Artists**  
Rosendo Berja & Marie Joy Reyes

November Issue of Newsletter  
Doha, Qatar



# COMMITTEE ON HONORS AND PROFESSIONAL LICENSURE EXAMINATIONS (COHOPLE)

Refresher course continues with around 16 aspirants in attendance every Friday



Using a calculator, solve the following problems. Round your answers to the nearest tenth.

6) A ship leaves port with a bearing of N 63° W. After traveling 25 miles, the ship then turns 90° and travels on a bearing of S 27° W for 24 miles. At that time, what is the bearing of the ship from port?

You can think of this as adding two vectors with the bearings identified in the problem.

Step 1: Convert each vector into its  $i$  and  $j$  components, using reference angles.

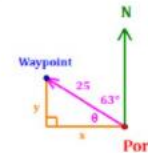
Let  $u$  be a vector of 25 mi. at bearing: N63°W

From the diagram at right,

$$\theta = 90^\circ - 63^\circ = 27^\circ$$

$$x = -25 \cos 27^\circ = -22.2752$$

$$y = 25 \sin 27^\circ = 11.3498$$



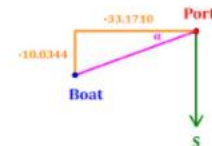
Let  $v$  be a vector of 24 mi. at bearing: S27°W

From the diagram at right,

$$\phi = 90^\circ - 27^\circ = 63^\circ$$

$$x = -24 \cos(63^\circ) = -10.8958$$

$$y = -24 \sin(63^\circ) = -21.3842$$



Step 2: Add the results for the two vectors

$$u = (-22.2752, 11.3498)$$

$$v = (-10.8958, -21.3842)$$

$$u + v = (-33.1710, -10.0344)$$

Step 3: Find the resulting angle and convert it to its "bearing" form (see diagram above right).

$$\alpha = \tan^{-1} \left( \frac{-10.0344}{-33.1710} \right) = 16.8^\circ$$

$$\text{Bearing} = S (90^\circ - 16.8^\circ) W = S 73.2^\circ W$$

SPLE Online Refresher Course for the month of November  
Doha, Qatar

# SUPPORT PROGRAMS AND EVENTS COMMITTEE FOR STUDENTS COMMITTEE (SPECS)



## PICE VISMA Volunteers Conduct Online Lectures

Two PICE VISMA volunteers from the PICE Qatar Chapter, Engr. Ronaldo Nilo and **Engr. Emmanuel German Boceta**, have started their online lecture classes at the PHINMA University of Pangasinan (UPang) at Dagupan City, Pangasinan. This is in coordination with Engr. Norman Rabot, a Faculty member of the College of Engineering and Architecture (CEA) at PHINMA UPang.



# SUPPORT PROGRAMS AND EVENTS COMMITTEE FOR STUDENTS



## PICE VISMA Volunteers Conduct Online Lectures

Two PICE VISMA volunteers from the PICE Qatar Chapter, **Engr. Ronaldo Nilo** and **Engr. Emmanuel German Boceta**, have started their online lecture classes at the PHINMA University of Pangasinan (UPang) at Dagupan City, Pangasinan. This is in coordination with **Engr. Norman Rabot**, a Faculty member of the College of Engineering and Architecture (CEA) at PHINMA UPang.

# SUPPORT PROGRAMS AND EVENTS COMMITTEE FOR STUDENTS COMMITTEE (SPECS)



Michael Plana Catimon – BSCE



Interview with Michael, ESSU Scholar, Graduate , with the Committee. PICE Qatar grant the scholar a free board examination tuition fee.

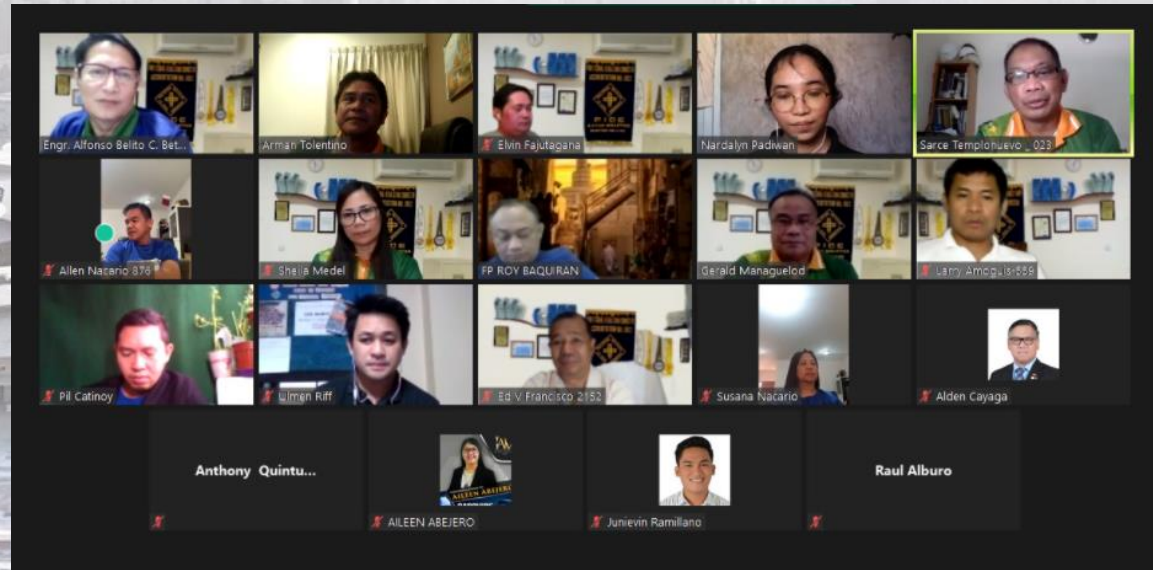
SPECS Committee Interview with the Graduate Scholar  
November 13, 2020  
Zoom, Doha, Qatar



# SUPPORT PROGRAMS AND EVENTS COMMITTEE FOR STUDENTS COMMITTEE (SPECS)



Rachel Ann R. De Leon – BSCE

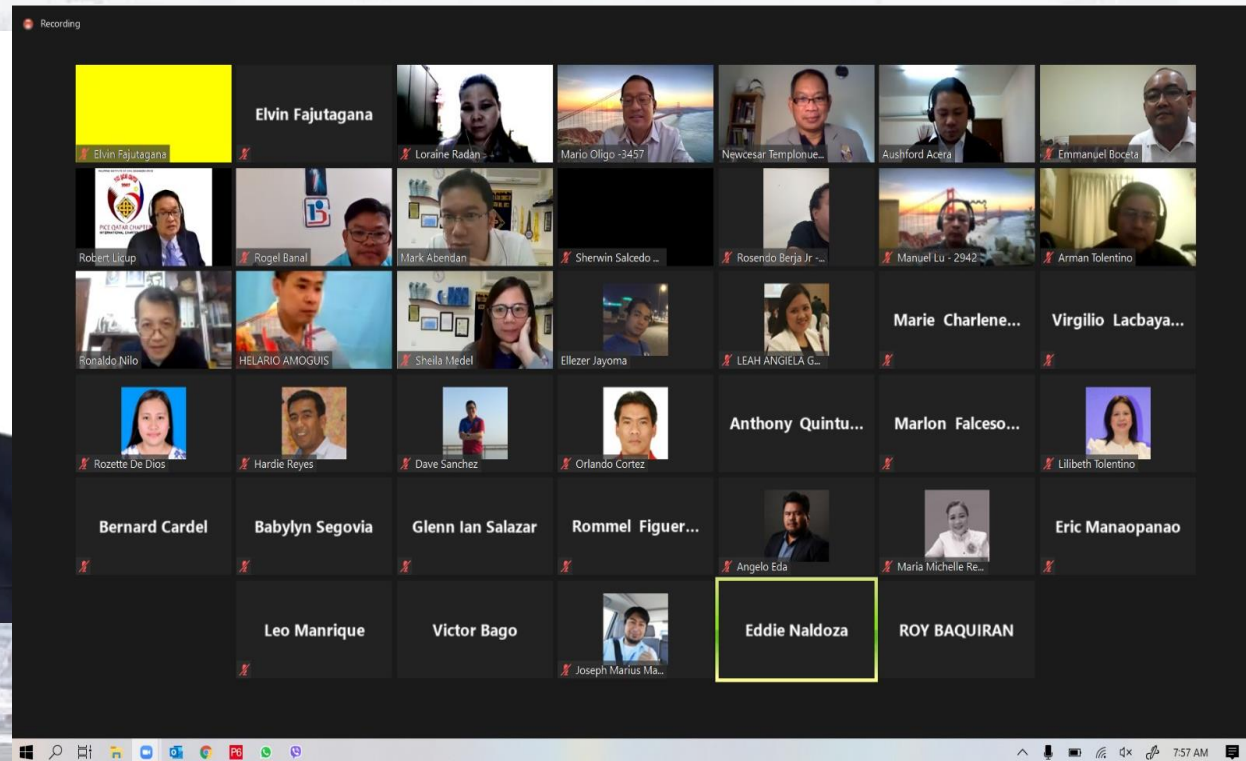


Interview with Rachelle, BULSU Scholar, Graduate , with the Committee. PICE Qatar grant the scholar a free board examination tuition fee.

SPECS Committee Interview with the Graduate Scholar  
November 21, 2020  
Zoom, Doha, Qatar

# COMMITTEE ON CONTINUING PROFESSIONAL ADVANCEMENT

HILIPPINE INSTITUTE OF CIVIL ENGINEERS (PICE)



**Webinar on Introduction to Water Supply Systems Design, Operation and Management (Water Refilling Station)**

**Dr. Robert S. Licup**

Resource Speaker / Lecturer

Participants : 51

Zoom – Webinar Series No. 06

November 6 and 13, 2020

Doha, Qatar



# EXTERNAL AFFAIRS

Recording LIVE on Facebook

You are viewing PICE EPSA's screen  
ricky Salavia is talking...


View Options

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## Resource Speaker Profile:

**Personal Qualifications:**

- Bachelor of Science in Civil Engineering and M.S. in Environmental Engineering (Thesis) - Mapua Institute of Technology, Manila Philippines.
- Registered Civil Engineer (Philippines)
- Grade A MME/MMUP Registered Civil Engineer (Qatar)
- ASEAN Chartered Professional Engineer (ACPEng).
- ASEAN Engineer (ASEAN Eng.)
- PICE Life Member (PICE Qatar Chapter)
- PICE Project Management and Construction Engineering Specialist (PMCE)
- PICE Water Specialist (WE)
- Member Chartered Institution of Highways and Transportation (CIHT)



**Engr. Henrik Gal M. De Ocampo**  
M. CIHT, LM-PICE, MME GRADE A, ASEAN Eng., ACPE, WATER SPECIALIST, PMCE

Bernardito Dizon	Antonino De Vera	Alfredo N. Mo...
Sharon Mia Pint...	Joseph Mariu...	Ericardo Espin...
Jard Lee Cortez	WILLIAM MIC...	Remegio Jr. Aba...
Adrian De La Cruz	Clint Marquez	Safrollah Yahya
Rogel Banal	Enrico Merin	Joel Condeza
Engr Jojo Ruiz...	Jueday Venez...	BELINDA DELA...
Bernard De Vera	Farrah Surdao	Kim Bagalacsa

Unmute Start Video

Participants 121 Chat 43 Share Screen Record Reactions Leave

## Webinar Collaboration of PICE Qatar & PICE EPSA

**Engr. Henrik Gal M. De Ocampo**, a PICE Qatar Member delivered a Technical Presentation on Treated Sewage Effluent a Wasted Water Resource in the Philippines during the PICE-EPSA (Eastern Province Saudi Arabia) Webinar Series 2 Episode 5 on **13 November 2020**. The webinar was a collaboration between PICE Qatar and PICEEPSA Chapters through the mutual arrangements between the two Chapter Presidents.

Participants : 121, around the globe

# EXTERNAL AFFAIRS

Recording

View

1/2

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Unmute Stop Video Participants 39 Chat 6 Share Screen Record Reactions Leave

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5:35 PM 11/20/2020

A meeting was held for all the PICE National BOD's, all the Local and International Chapters Presidents to have an update of the postponement of National Election and update regarding the International Awards submission.

November 20, 2020 , via zoom



## EXTERNAL COMMUNITY PROJECTS



*136 Elementary Students benefited the school supplies and hygiene kit donated by PICE Qatar to Matagbak Elementary School, Sitio Matagbak, Bagumbayan, Pililla, Rizal.*

*45 Reams of bond paper as well was donated to Santa Barbara National High School, of San Antonio Nueva Ecija.  
Donations given November 2020*



# EXTERNAL COMMUNITY PROJECTS



*PICE Qatar Donated packs of food and G.I sheets for roofing to the 2 Barangays in the Philippines who are greatly affected by the typhoons.*

*Donations given November 2020*



## COMMITTEE ON MAJOR EVENTS



**PICE Qatar Chapter conducted its 14<sup>th</sup> Annual General Assembly & Virtual Technical Convention** was a hybrid type of event with the rest of the members attended online while the candidates, officers, past presidents and the major events committee role players attended face to face at Hilton Doha, Hotel.

November 27, 2020.



## COMMITTEE ON MAJOR EVENTS



ELECTED BOARD OF DIRECTORS 2021 AND THE  
PICE QATAR NOMINATION ELECTION COMMITTEE

**PICE Qatar Chapter conducted its 14<sup>th</sup> Annual General Assembly & Virtual Technical Convention** on November 27, 2020, with the theme “PICE Qatar: Exploring Ways with Solidarity to Keep Up with Civil Engineers’ Vision of Sustainable Construction Under the New Normal”. The first part of the event covers the Virtual Technical Convention which includes the keynote address delivered by PICE National President, Dr. Erdsan Rene Suero, and followed by Engr. Federico Monsada, President of the Philippine Technological Council (PTC). The Hon. David Des T. Dicang, Labor Attaché II of the POLO Qatar also delivered a special message in the afternoon session during the General Assembly Meeting proper.

November 27, 2020, Online with Face to Face





# DECEMBER 2020



**PHILIPPINE INSTITUTE OF CIVIL ENGINEERS  
QATAR CHAPTER**

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# THE EXECUTIVE COMMITTEE BOARD MEETING



The last Executive Monthly meeting was held at Hilton Doha Hotel on the first Friday of December. It was attended by the incumbent Board of Directors, the newly elected set of leaders, the Standing Committee Chairmen, and the Council of Advisers. The minutes are directed mainly in closing the open issues or action items in preparation for handing over.

12<sup>th</sup> Executive Monthly Meeting  
December 4, 2020  
Hilton Doha Hotel, Qatar



## COMMITTEE ON PICE QATAR AFFAIRS (COPA)



PICE Qatar headed by PICE Q 2020 President Sheila L. Medel together with seven other Board of Directors and Past Presidents in coordination with Qur'anic Botanic Garden represented by Mr. Mohammed M. Hassona pushed thru with the annual tree planting activities albeit with limited attendees this time due to restrictions being imposed by the Qatar Health Ministry on gatherings in connection with the COVID 19 Pandemic.

Qatar Foundation, Oxygen Park  
December 25, 2020  
Doha, Qatar

## Committee on Life Membership, Specialist and Advanced-Level Applications

Description	2020					
	Q1	Q2	Q3	Nov	Cumulative	Target
*Fellow	17	0	0	18	38	15
Life Member	1	0	6	1	8	10
Specialist	2	0	2	0	4	5
ACPER	1	0	0	0	1	5
AER	4	0	1	0	5	10
A.AER	5	4	0	0	9	4
APEC	2	1	0	0	3	2

- 1) Eighteen (18) Fellow Applications has been reviewed and to endorse to PICE National, and
- 2) One (1) Life Member Application has been reviewed and endorsed to PICE National.
- 3) COLSAA has been constantly communicating to PICE National and the Philippine Technological Council (PTC) for current status and update of submitted applications.

December 2020  
Doha, Qatar



# COMMITTEE ON PUBLICATIONS AND INFORMATION(COHOPLE) (COPI)



## PICE QATAR SCORES IN PICE NATIONAL AWARDS

Alfonso Belito Betita

**P**ICE Qatar's 2020 hashtag "Weworkasone" was proven to be the main driving force in its successful effort to continue with its noble mission in serving its membership, the civil engineering community, and the whole nation especially in the times of this COVID-19 pandemic. The organization is just as resilient and as united as ever in times of crisis.

This 11<sup>th</sup> of December 2020, during the 23<sup>rd</sup> PICE Anniversary, PICE Qatar Chapter once again found itself sitting at the pinnacle of success when it was recognized as the finest and best there is with all four awards that are up for grabs for International Chapters. Being tagged as the **Most**

**Outstanding International Chapter** for three consecutive years coupled with **Most Outstanding Community Projects and Most Outstanding Newsletter** for Four Consecutive Years since the year 2017, truly PICE Qatar, its Board of Directors, Past Officers and members alike have earned the bragging rights and the position in the history of the Accredited Professional Organization worthy to be looked upon.

In an unprecedented turn of events, PICE Qatar also bagged the **Most Outstanding International Chapter President Award 2020** - bestowed to our very own Engr.

(Continued on page 4)

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## ANOTHER YEAR HAS PASSED



resilient enough to add 'new normal'.

In a testament to its the PICE Qatar Chapter endured the challenge about by the COVID-19. In the recently concluded National Chapter Awards Qatar Chapter emerged overall winner by sweeping the year's competition as among the best.

Under the International Category, we have been Outstanding Newsletter Community Project for straight year. The Outstanding International for three straight years President, Engr. She bagging the award as Outstanding Chapter President.

December Issue of Newsletter  
Doha, Qatar



# COMMITTEE ON HONORS AND PROFESSIONAL LICENSURE EXAMINATIONS (COHOPLE)

Zoom Meeting You are viewing PICE Qatar's screen View Options

RICO Liza Abinal

Participants (21)

Find a participant

- JR Joanne Reyes
- JOEVIC CASTRO
- J Jonathan
- J Julius
- LL LA Ling
- LA Liza Abinal
- MS Maria Suzette Abines
- M Mhac
- M mike
- O Odilone
- Ramonchito Martinez
- R RICO
- R Rod

**Problem 25.** A water tank is in the form of a truncated pyramid with a square 10 ft x 10 ft bottom, and a square 5 ft x 5 ft top 6 ft. above the bottom. If the tank is being filled with water at the rate of 100 cu. ft. per minute, how fast is the water rising in the tank when the water is 4 ft deep?

a. 1.25 ft/min      b. 2.25 ft/min  
c. 3.35 ft/min      d. 2.50 ft/min

**SOLUTION:**  
By ratio and proportion:  
 $2.5/6 = x/(6-h)$   
 $x = 2.5 - 0.417h$   
Volume of a frustum of Pyramid:

$$V = \frac{h}{3} [B + \sqrt{Bb} + b]$$

$B = 10(10) = 100 \text{ ft}^2$   
 $b = (5 + 2x)(5 + 2x)$   
 $b = (5 + 2x)^2$

$$V = \frac{h}{3} [100 + \sqrt{100(5 + 2x)^2} + (5 + 2x)^2]$$

$$V = \frac{h}{3} [100 + 10(5 + 2x) + (5 + 2x)^2]$$

$$V = \frac{h}{3} [75 + 40x + 4x^2]$$

but  $x = 2.5 - 0.417h$

$$V = \frac{1}{3} [300h - 25.02h^2 + 0.6959h^3]$$

$$\frac{dV}{dt} = \frac{1}{3} [300 - 50.04h + 2.085h^2] \frac{dh}{dt}$$

when  $\frac{dV}{dt} = 100 \text{ ft}^3/\text{min}$ ,  $h = 4 \text{ ft}$

$$100 = \frac{1}{3} [300 - 50.04(4) + 2.085(4)^2] \frac{dh}{dt}$$

$$\frac{dh}{dt} = 2.25 \text{ ft/min}$$

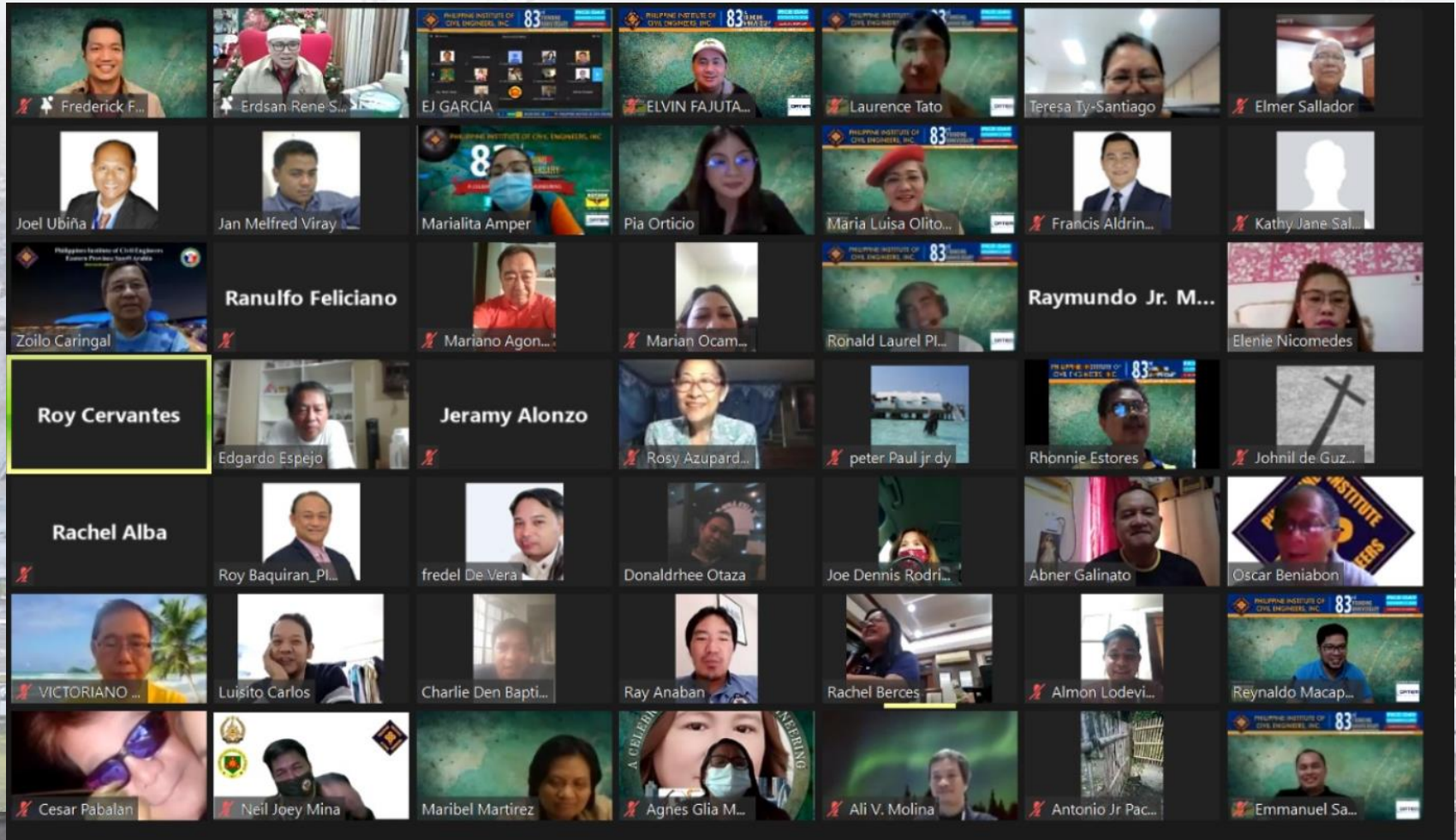
13

Unmute Start Video Security Participants Polls Share Screen Reactions More End

The SPLE Online review class continues with around 19 aspirants.



# EXTERNAL AFFAIRS



PICE Qatar Members attended the 83rd Founding Anniversary  
Celebration of PICE National  
December 11, 2020

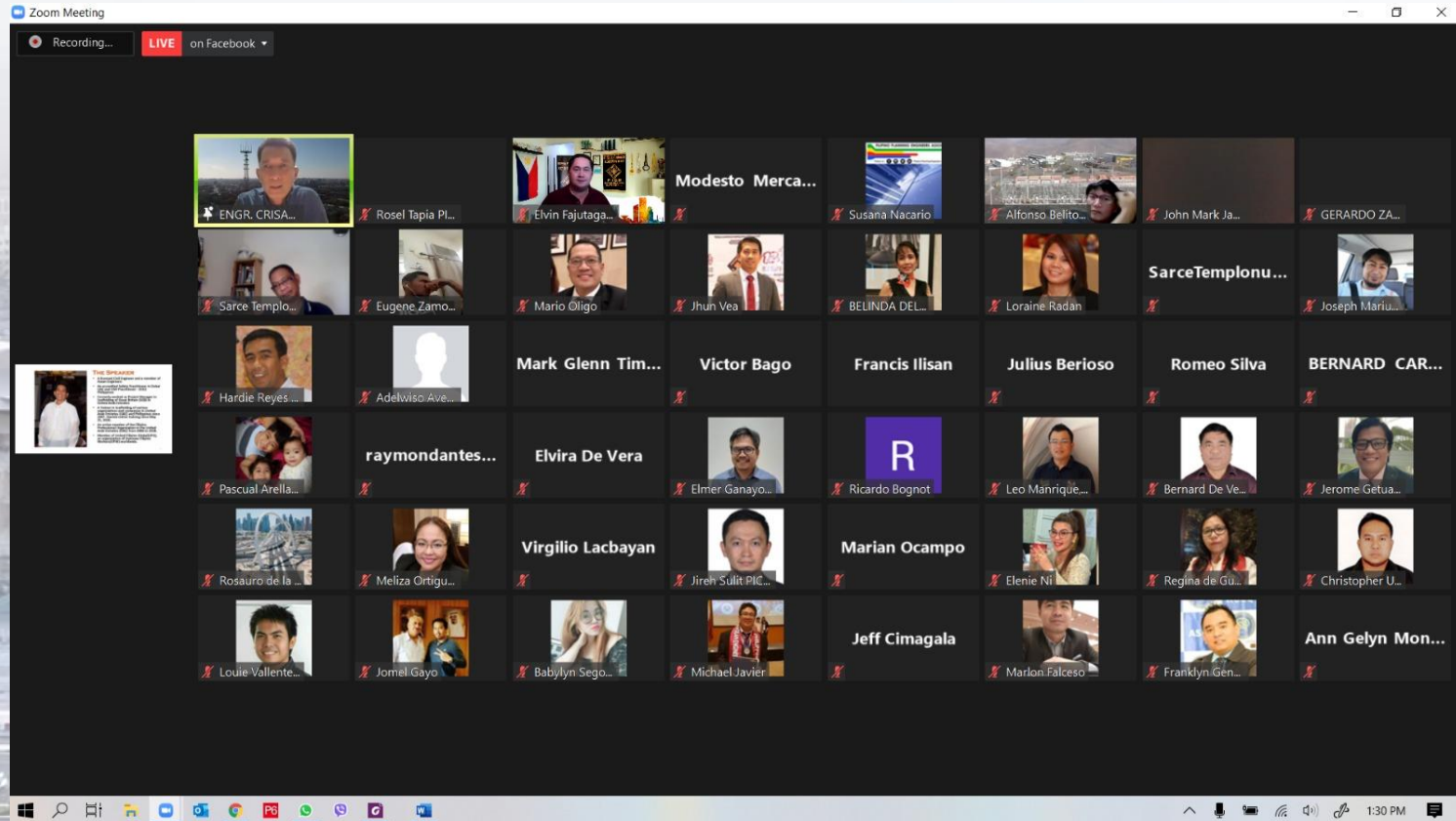


# PICE QATAR SCORES IN PICE NATIONAL AWARDS





# COMMITTEE ON CONTINUING PROFESSIONAL ADVANCEMENT



## Webinar on Scaffolding Safety and Basic Principles of Scaffolding for Engineers

**Engr. Crisauro R. Fallar III**

Resource Speaker / Lecturer

Participants : 96

December 18 ,2020  
Via Zoom, Doha, Qatar

# YEAR END PARTY



“It's fine to **celebrate success**, but it is more important to heed the lessons of failure”

Thanks giving party was held at Wyndam Hotel, Doha  
December 16, 2020



## THANKS GIVING MASS



Amidst of the difficulties there is always to be thankful for. PICE Qatar sponsored a THANKS GIVING MASS  
December 18, 2020

# END OF SLIDE

GOD BLESS PICE QATAR!  
#weworkasone



PHILIPPINE INSTITUTE OF CIVIL ENGINEERS  
QATAR CHAPTER

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