



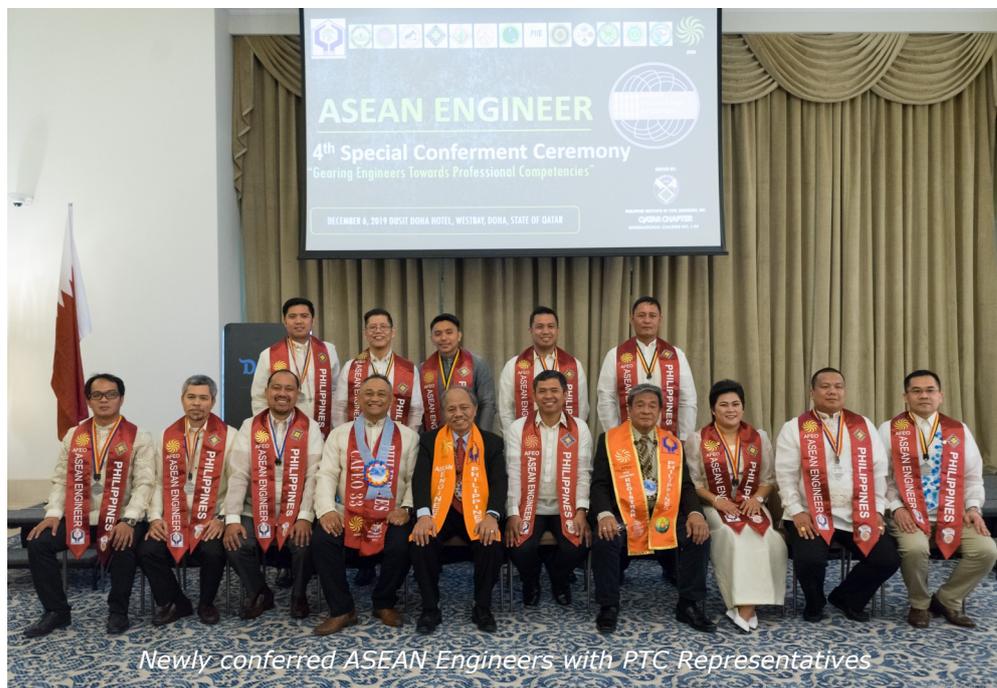
PICE Qatar NEWSLETTER



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

www.piceqatar.com

DECEMBER 2019 ISSUE



Newly conferred ASEAN Engineers with PTC Representatives

4TH AER SPECIAL CONFERMENT CEREMONY

Shielu Manantan

The Philippine Institute of Civil Engineers (PICE) Qatar Chapter in collaboration with the Philippine Technological Council (PTC) organized and hosted the 4th Special ASEAN Engineer's Conferment at Dusit Doha Hotel, Westbay, Qatar last December 6, 2019.

The event chaired by Engr. Emmanuel German V. Boceta and hosted by Engr. Arnel Punsalan and Engr. Shielu Manantan commenced with the Entrance of Colors of the Participating Engineering Disciplines followed by a parade of the conferees.

The Guest Speaker, Engr. Federico A. Monsada, President of the Philippine Technological Council (PTC) delivered his congratulatory message to the conferees at the

same time urged the engineers who have yet to submit their applications to challenge themselves to be on the top edge of their professional careers.

Engr. Federico A. Monsada, Engr. Engr. Romulo R. Agatep, Director-International Affair, PTC and ASEAN Federation of Engineering Organization (AFEO) Country Registrar Philippines; and Engr. Roy L. Baquiran, PICE Qatar Founding President and PTC Deputy Adviser for Qatar led the conferment rites which featured the Charging of the newly conferred Engineers, the oath of membership, and the awarding of certificates, medallions, and pins to the conferees.

The newly conferred ASEAN Engineers are:

In this ISSUE

4TH AER SPECIAL CONFERMENT CEREMONY	p1
EDITORIAL: UNPRECEDENTED FEAT TOWARDS THE FUTURE	p2
PRESIDENT'S LOUNGE	p3
2019 PICE QATAR EXECOMM HOLDS ITS LAST REGULAR MEETING	p4
PICE QATAR SECRETARY ATTENDED NEA'S 57TH ENGINEER'S DAY CELEBRATION	p7
MEMBERSHIP ENDS AT 3,472 FOR 2019	p7
PICE QATAR CONDUCTS 4TH POLO-OWWA OUTREACH FOR DISTRESSED OFW'S	p6
CHAPTER TEAMS UP WITH QUR'ANIC BOTANIC GARDEN FOR ITS 4TH TREE PLANTING ACTIVITY	p7
FEATURES / WORD HUNT	p8-9
GIVE ME A MOMENT: TOP 5 MOST OVERLOOKED DETAILS IN STRUCTURAL DESIGN	p10
FILL IN THE CODE	p11
OUTSIDE HITTER / FUCHSIA TRASHES NEON ANEW, WINS 5TH CROWN	p12

PICE QATAR

Aphan M. Badidil
Jundee Mar B. Tejedo
Roderick C. Ragual
Mary Joy D. Partusa
Patrick A. Ganitnit
Frederick E. Fuentespina
Marvin D. Cruz
Rodel O. Arnaiz
Dennis L. Pajarillo
Harry Dc. Lameg
Adrian A. Jahulla

GEP QATAR

Mervin D. Bidania

PSME QATAR

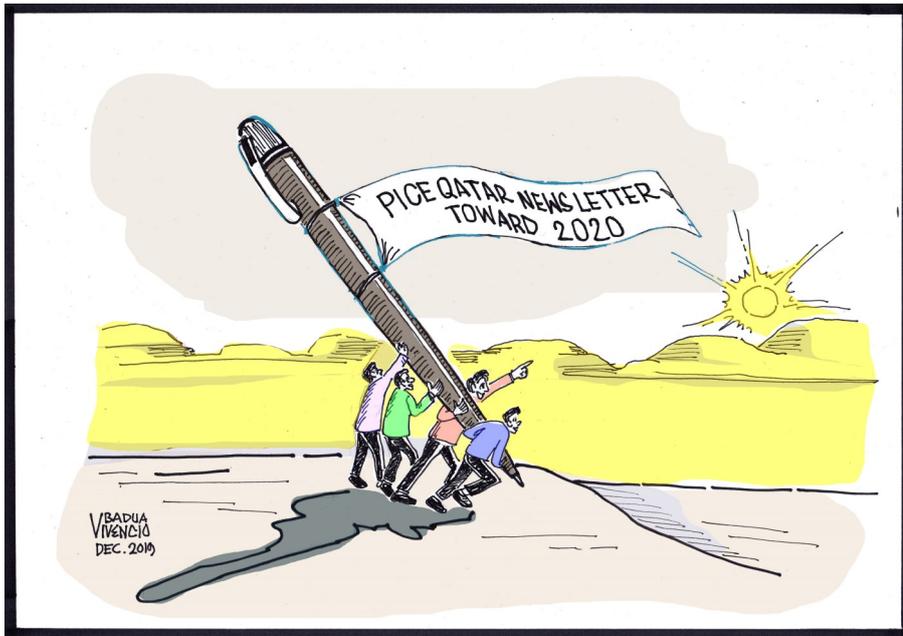
Rogelio C. De Dios Jr
Ramil T. Perez

IIIEE

Pedrito V. Dayahan

Continued on Page 5

OPINION



UNPRECEDENTED FEAT TOWARDS THE FUTURE

The Official Publication of the chapter: PICE Qatar Newsletter™, having a total of twelve regular monthly issues and three special issues, were successfully published for the year 2019. This all became possible because of the dedication and hard work of the editorial staff, contributors, advisers and all the people behind the scene of the publication.

instrument to disseminate news and useful information within the PICE Qatar community.

Journalism has always been a broad spectrum of different forms and ways of execution and a lifelong process of learning. In the present time, wherein technology changed our way of living, it is a challenge for the old school newsletter to step in.

To cope up with the trend, the distribution of the newsletter was also integrated with the help of the technology (i.e. websites, emails, and social media). The PICE Qatar Newsletter circulates through the PICE Qatar Chapter Yahoo! Groups for the general membership. It can also be viewed on the chapter's official website (www.piceqatar.com/pice-qatar-newsletter-2019-edition) and in the PICE Qatar Official Facebook Page.

As we close the year 2019, we thank our Lord for the wisdom and guidance that he bestowed upon us, and for the fruitful years since the newsletter publication was re-established in 2017. Being chosen to bear the title of "Most Outstanding Newsletter" under the International Chapters Category by the PICE National for three

“Being chosen to bear the title of “Most Outstanding Newsletter” under the International Chapters Category by the PICE National for three consecutive years (2017 to 2019) is truly an honor and a testament to the dedication of its newsletter team.”

It is also a manifestation of the selfless duty of the men and women comprising the Board of Directors and the members who give their extra time and effort to attend and participate in the different activities of the chapter that promotes camaraderie and professional growth. PICE Qatar Newsletter has always been an



THE EDITORIAL STAFF

Editor-In-Chief
Jerick Lising

Managing Editors
Alden Cayaga
Meliza Ortiguerra

News Editor
Shielu Manantan

Sports Editor
Russel Flores

Circulation Manager
Christine Diosan

Chief Cartoonist
Vivencio Badua

Chief Photographer
Henrik Gal De Ocampo

Photographers
Johnson Sanchez
Edgar Domingcil
Newcesar Templonuevo

Staff Writers/Contributors

Antonio Abenoja II
Aurora Asda
Emmanuel Boceta
Luisito Carlos
Belinda Dela Cruz
Elvin Fajutagana

Advisers
Alfonso Belito Betita
Ronaldo Nilo
Roy Baquiran

consecutive years (2017 to 2019) is truly an honor and a testament to the dedication of its newsletter team. It is an inspiration for the future generation of members, eager and able newsletter staffers, who will continue this legacy without any reservation and hesitation to serve the PICE Qatar Chapter. ■

“Either write something worth reading or do something worth writing.” - Benjamin Franklin

This is a call to our members who want to serve the PICE Qatar Chapter, you may approach any member of the Board of Directors and the Committee on Publications and Information (COPI) or email us at piceqatarnewsletter@yahoo.com and be a part of the PICE Qatar Newsletter team.

THE PRESIDENT'S LOUNGE

Message from the President

Helario S. Amoguis

CEng, ASEAN Eng.
The 12th President of PICE Qatar Chapter



My term of office as President will come to an end and a new set of leaders will be onboard starting January 1, 2020, headed by newly elected Engr. Sheila L. Medel. I just want to thank all my fellow engineers for giving me a chance and opportunity to serve in this capacity. It has been such an honor just to be a part of a leadership team that continues to strive to be on the cutting edge of the profession. Despite some challenges, yet we were able to accomplish some meaningful activities in line with the objectives of the chapter.

Before I end my last piece, I would like to highlight some important events we had for in December:

4TH ASEAN Engineer Special Conferment Ceremony

With the effort of COLSA team headed by Engr. Alnovar Abubakar and Engr. Emmanuel Boceta, we successfully conducted our 4th ASEAN Conferment Ceremony held last December 6, 2019 at Dusit Hotel, 15 Advance Level Engineers from different Engineering disciplines had been officially conferred. 11 Engineers from PICE, 2 Engineers from PSME, 1 Engineer from GEP and 1 Engineer from IIEE.

All conferees received their medallion and ASEAN Engineers certificate. The event was administered by Philippine Technological Council represented by PTC President Engr. Frederico Monsada, and PTC Country Registrar Engr. Romulo Agatep. The solemn occasion was also attended by family, guests of conferees and all ASEAN Engineers officers of PICE Qatar. Special thanks to Engr. Roy Baquiran for coordinating PTC schedule and Mrs. Susana Nacario for facilitating guest VISA's and accommodation. To all PICE officers and Event committee members, congratulations on a job well done.

2019 PICE Qatar Officers Fellowship Night

Immediately after the Conferment Ceremony, a short program and exchanges of gifts were held. The acoustic band also played and performed during the occasion. The event was attended by all PICE Qatar officers, volunteers, and family members.

12th BOD Meeting

Our last BOD meeting for the year 2019 was held at Oryx Rotana on December 13, 2019, from 8 am to 2 pm. Attended by 12 BOD's, Immediate Past President, 4 Past Presidents, and 2 newly elected BOD for 2020 as guests. The meeting highlighted the accomplished program in 2019 and the commitment of the officers to uphold the Chapter's objectives and mission.

4th Tree Planting Activity at Oxygen Park

After our last BOD meeting on Dec 13, 2019. COPA team headed by the chair, Engr. Emmanuel Boceta and all officers proceeded to Oxygen Park at Qatar Foundation for our 4th Tree Planting Activity. The annual event was in coordination with Qur'anic Botanic Garden (QBG). The activity was attended by PICE members, and family. Tree planting is one of the community service and activity of PICE Qatar with the objective of sending out the message that we Engineers care for our environment and generations to come. It is our little way of addressing the environmental problem brought by climate change.

4th Outreach Program at POLO Shelter

Our last community outreach activity for 2019 was held last December 19, 2019, at POLO

shelter. At least 200 fellow OFW's staying in the shelter was the recipient of our program. It was attended by PICE Qatar officers, family members headed by Engr. Emmanuel Boceta. A short program was organized and leaders of PICE Qatar shared messages of encouragement to boost the morale of our fellow kababayans. Thanks to your unwavering support for our noble activities. At least we were able to bring a little smile to our fellow OFW even in just a few minutes. Also, thanks to Engr. Michelle Kenny who actively supporting our program by collecting and sorting used goods shared from the Dukhan community.

Embassy's Hatid Saya Para sa OFW

Last December 27, 2019, PICE Qatar with other Filipino communities attended in the celebration of Rizal National Day organized by Philippine Embassy/POLO. The event includes the 'Wreath Laying Ceremony' and followed by fun games among OFWs. The event was graced by Consul General Roussel R. Reyes and Labor Attache' David Des Dicang.

The above-mentioned activities concluded the PICE Qatar activities for 2019. It is worth mentioning that I have been fortunate to have worked closely with my Board of Directors, Committee Chairmen and members and appreciate all they've done for PICE Qatar during our term. Likewise, I take my hats off to PICE Qatar's Council of Advisers who are always there whenever the Chapter leaders need

(Continued on page 5)

PICE QATAR UPDATES



Attendees of the 12th Regular Meeting of the 2019 PICE Qatar EXECOMM take a pose.

2019 PICE Qatar EXECOMM Holds Its Last Regular Meeting

Alfonso Betita

The outgoing Executive Committee 2019 holds its 12th and last meeting on December 13, 2019, Friday at Oryx Rotana Hotel, Old Airport Road, Doha, State of Qatar.

This is by virtue of Board Resolution No. 008-2019 issued on 5th December 2019 detailing the postponement of the 12th meeting originally scheduled on 06 December 2019 to give way to the PICE-PTC ASEAN Engineers Conferment Ceremonies to be held on the same date.

The 12th EXECOMM Meeting is a joint meeting between the outgoing Board of Directors and the 2020 Board of Directors-Elect.

The 2019 BODs are set to complete their terms on the midnight of the 31st of December 2019 while the BOD-Elect is scheduled to take the lead immediately following.

Engr. Helario S. Amoguis presided the meeting which tackles mostly on the accomplishment of the organization for the year and closing-out of those issues that are

under the jurisdiction of the outgoing leadership.

He congratulated and thank all the members of the outgoing EXECOMM for their effort and their contribution to the success of the organization in the year 2019. He also congratulates the incoming BODs headed by Engr. Sheila L. Medel, PICE Qatar President-Elect for 2020.

The 12th EXECOMM Meeting is attended by the following:

- Engr. Helario S. Amoguis - President & Presiding Chair of 12th EXECOMM Meeting
- Engr. Sheila L. Medel - 1st Vice President
- Engr. Elvin D. Fajutagana - 2nd Vice President
- Engr. Alfonso Belito C. Betita - Secretary
- Rolan E. Nevado - Treasurer
- Engr. Belinda E. Dela Cruz - Public Relations Officer
- Engr. Mark Anthony P. Abendan - Business Manager
- Engr. Maria Michelle A. Revillosa - Sergeant-At-Arms

- Engr. Rogel B. Banal - Chairman, COME
- Engr. Emmanuel German A. Boceta - Chairman, COPA
- Engr. Bernard Y. De Vera - Chairman, COHOPLE
- Engr. Newcesar T. Templonuevo - Chairman, COWME
- Engr. Aileen A. Buenaflor - Immediate Past President

Council of Advisers/Past Presidents

- Engr. Noel T. Jumawan
- Engr. Geraldo T Managuelod
- Engr. Ronaldo B. Nilo
- Engr. Allen L. Nacario

Standing Committees

- Engr. Aushford O. Acera - Chairman, CPD Accreditations
- Engr. Arman A. Tolentino - Chairman, SPECS
- Engr. Alnovar S. Abubakar - Chairman, COLSA

Guests

- Engr. Elizabeth M. Beltran - Auditor-Elect, 2020
- Engr. Rolando A. Concepcion - Director-Elect, 2020 ■

PICE QATAR UPDATES

PICE Qatar Secretary attended NEA's 57th Engineer's Day Celebration

Alden Cayaga

Engr. Alfonso Belito C. Betita, PICE Qatar Secretary, attended the Nepal Engineers Association's 57th Engineers Day Celebration upon the invitation of its President, Er. Padam Narayan Sah. The event was held on 27th December 2019, from 6:00 PM to 10:00 PM at the Concorde Doha Hotel, Crazy Signal, B-Ring, Doha, State of Qatar.

Dr. Narad Nath Bharadwaj - Nepal Ambassador to Qatar, graced the event which was attended by Nepali Engineers from different Engineering disciplines and their families.



PICE Qatar Sec. Alfonso Belito Betita and the NEA members' in a group photo.

According to Engr. Betita, he felt honored to be invited by an engineering group from another country where he gained additional knowledge not only on the technical aspect but on cultural matters as well. He further stresses

that it could be a benefit to PICE Qatar if we could have close relationships with other international organizations.

Engr. Alfonso and Er. Padam Narayanan Sah came to know each

other during the Institution of Engineers - India sponsored lectures held on the month of October 2019 where both of them were invited as guests. ■

(Continued from page 1)

The conferment is a step towards attaining full status and recognition of engineering professionals to practice and work in the entire ASEAN Region.

The ASEAN Federation of Engineering Organizations (AFEO) is a non-governmental body. Its members are the engineering institutions and organizations of ASEAN countries with the following main objectives:

- To promote goodwill and mutual understanding
- To establish and develop an ASEAN baseline standard for the engineering profession with the objective of facilitating the mobility of the engineers within the ASEAN countries.

(<http://aer.afeo.org/about/>)

For more information about how to be an ASEAN Engineer, please contact PICE Qatar Founding President Engr. Roy Baquiran. ■

Membership Ends at 3,472 for 2019

Russel Flores

The Committee on Membership (CoME) through **Chairman Rogel Banal** has confirmed that 11 members Regular members updated their dues at the end of the year bringing the total membership to 3,472.

Moreover, the committee also reported that the total members with a good standing for the entire 2019 are as follows:

- **318** Regular members
- **108** Associate members

(Continued from page 3)

guidance, always ready and willing to share their time and experience that helps ensure better and faster decision making concerning the affairs of the organization.

The accomplishments for 2019

It should be noted however that the total number of life members could not be confirmed by Chairman Rogel since there is no available data to confirm how many LMs are currently in the State of Qatar.

The committee continues to call all members to update their dues in addition to encouraging other Filipino Civil Engineers to join the organization. ■

have been impressive, and it was truly a team effort. Indeed, everybody deserves a pat in the shoulder for a job-well-done!

I cannot thank each Executive Committee member enough for their hard work in handling all of

(Continued on page 13)

PICE QATAR UPDATES

PICE Qatar conducts 4th POLO-OWWA Outreach for Distressed OFW's

Emmanuel German Boceta

Several members of the Philippine Institute of Civil Engineers (PICE) Qatar Chapter Board of Directors (BODs) and Past Presidents, along with members, family and friends, have conducted PICE Qatar's 4th Philippine Overseas Labor Office (POLO) - Overseas Workers Welfare Administration (OWWA) Outreach for Distressed Overseas Filipino Workers activity started at 6:00 PM on December 19, 2019 at the POLO-OWWA Shelter, Doha, State of Qatar.

The Outreach Program for Distressed OFWs is an activity that has been organized since the start of PICE Qatar to enhance social responsibility and community involvement of civil engineers as one of the PICE Core Values.

There were more than 200 adults, one toddler, and six infants housed at the shelter as beneficiaries during the outreach program.

Inspirational messages were given by several CoPA Members; Engr. Ronaldo B. Nilo, Engr. Allen L. Nacario, Engr. Aileen Abejero-Buenafior, Engr. Roy L. Baquiran - Past Presidents of PICE Qatar; and Engr. Helario S. Amoguis, President PICE Qatar 2019.

Later during the program, a special poem was delivered by Ms. Fatima O. Nacario while a Christmas song entitled "Sa Paskong Darating" was rendered by the PICE Qatar family and friends.

A 'videoke challenge' was held and a dance number was also presented by the wards which were enjoyed and appreciated by everyone. Cash prizes were awarded to 6 Kababayans who accepted the videoke challenge and to those who rendered their dance number.

Essential goods were handed over and words of thanks and gratitude

delivered by POLO-OWWA Shelter Center Coordinator Ms. Teresa M. Narag.

At the closing part of the program, an inspirational song entitled "Hawak Kamay" was rendered by the distressed OFW's which touched the emotions of all attendees.

The activity ended at 8:00 PM after partaking a simple dinner and distribution of Christmas goodies.

The PICE Qatar EXECOMM 2019, through the Committee on PICE Qatar Affairs (CoPA) extends its gratitude to the General Membership who in one way or another supported the worthwhile activities of the chapter. ■



PICE Qatar members take a pose with the residents of the POLO-OWWA shelter.

PICE QATAR UPDATES

Chapter teams up with Qur'anic Botanic Garden for its 4th Tree Planting Activity

Emmanuel German Boceta

The Philippine Institute of Civil Engineers (PICE) Qatar Chapter in cooperation with Qur'anic Botanic Garden (QBG), a member of Qatar Foundation (QF) held its 4th Tree Planting Activity on December 13, 2019, Friday.

There were 54 trees planted within the premises of Oxygen Park, Education City as part of QBG's Annual 'GHARS' tree planting campaign and was attended by more than 100 people, including other organizations such as FPEA,

AACE, ANCOP and the Scouting Organization of Qatar.

This activity is in adherence to one of PICE Core Values - Social Responsibility to present a visible symbol identifying the Civil Engineers in Qatar by affiliating and reintegrating our organizations who have similar, if not the same, common goals as professionals in the field of engineering.

Mr. Mohamed Hassona, Horticulturist and representative of QBG-QF acknowledged the PICE

Qatar Chapter's effort to support and promote its initiative on building a sustainable community by doing tree planting activities to increase Qatar's green spaces and to help achieve QBG's goal of cultivating 2,022 trees by the 2022 FIFA World Cup.

The activity was spearheaded by the Committee on PICE Qatar Affairs (CoPA) together with the PICE Qatar EXECOMM 2019. ■



Tree-planting participants take a well-deserved break after the activity.

4TH TREE-PLANTING ACTIVITY



4TH TREE-PLANTING ACTIVITY



4TH AER SPECIAL CONFERENCE



4TH AER SPECIAL CONFIRMATION



FEATURES

QP Dukhan Community Shows Support

Emmanuel German Boceta

It was a cold morning of December 18, 2019, while others were lining up for the Qatar National Day Parade at Corniche, several members of the PICE Qatar EXECOMM 2019, with their family and friends, proceeded to Qatar Petroleum (QP) Dukhan Housing Community with one purpose - to pick up boxes of donations.

Among the items collected from the members of the QP Dukhan Community were used clothing for ladies and children's wear; shoes; milk and diapers.

This would not have been possible without the assistance of Mr. & Mrs. Dave Kenny which spearheaded the donation drive. Engr. Michelle A. Kenny is an active PICE Qatar Member and has been affiliated with the chapter for several years.

Incidentally, that very same date, their youngest daughter was also celebrating her birthday and to the delight of everyone was treated with a sumptuous breakfast.

As a gesture of appreciation and thanks, PICE Qatar has handed over souvenir items to Mr. & Mrs. Kenny.



PICE Qatar gathers donated items from the QP Dukhan Community

After loading up all the goods, the group proceeded to PICE Qatar Headquarters in Bin Omran to sort out the goods collected and made ready for the 4th POLO OWWA Outreach Activity scheduled on the 19th of December 2019.

Special thanks to Engr. & Mrs. Helario S. Amoguis, Engr. & Mrs. Allen L. Nacario & family, Engr. & Mrs. Elvin Fajutagana, Engr. Roy Banal, Engr. Geraldo Managuelod, Engr. Arman Tolentino and Engr.

Emmanuel German Boceta for the time spared in picking up the goods from Dukhan and sorting the items at the PICE Qatar Headquarters.

Our gratitude also goes to all the PICE Qatar members who in one way or the other contributed donations in cash and in-kind that led to the prosperity of this noble cause. ■

#PICE_Serves!

CONGRATULATIONS PICE QATAR NEWSLETTER STAFFERS

by Belinda E. Dela Cruz

"Celebrating your achievements is a way to acknowledge the contribution of others who stood with you and enabled you to succeed"

- Dr. Prem Jagyasi

A	W	A	Y	F	R	W	O	P	B	J	E	R	I	C	K
C	E	L	E	B	R	A	T	I	N	G	M	C	M	N	Y
H	A	F	P	T	O	B	H	C	P	B	F	Q	V	E	O
I	N	O	F	Q	N	V	E	E	T	R	M	A	E	N	U
E	E	N	J	E	A	Y	R	H	N	M	O	T	D	A	R
V	W	S	O	E	L	E	S	B	A	R	W	A	G	B	A
E	C	O	H	M	D	V	R	M	U	N	I	R	A	L	K
M	E	G	N	M	O	S	I	T	R	Q	T	K	R	E	N
E	S	W	S	A	Y	T	W	N	O	L	H	R	G	D	O
N	A	T	O	N	R	O	Y	V	R	T	U	C	T	A	W
T	R	O	N	U	M	O	A	I	A	S	L	H	U	H	L
S	U	C	C	E	E	D	Z	V	S	X	U	R	W	E	E
H	M	T	E	L	M	P	I	E	M	P	I	I	J	L	D
I	L	X	J	W	K	E	L	N	B	K	S	S	N	A	G
E	D	A	N	N	Y	L	E	C	A	M	I	T	E	R	E
L	B	X	W	J	T	L	M	I	D	W	T	I	D	I	G
U	L	M	G	Q	O	E	S	O	K	H	O	N	L	O	P
C	O	N	T	R	I	B	U	T	I	O	N	E	A	N	D

FEATURES

Farewells are not Goodbyes...

Emmanuel German Boceta



Send-off for Engr. Edgar Crispino with CoPA and COWME Chairs

“Goodbyes are not forever, are not the end; it simply means I’ll miss you until we meet again” – Author Unknown

During the month of July 2019, one of our active committee members, Engr. Edgar M. Crispino, PICE Qatar Member ID No. 2307 suffered a hemorrhage (bleeding) in the brain or in medical terms a hemorrhagic stroke.

He underwent life-threatening surgery to remove the blood clot in his brain and had undergone recuperation/rehabilitation from his operation at Qatar Rehabilitation Institute - Hamad Medical Center, Medical Intensive Care Unit (MICU) and later in his accommodation in Al Mansura, Doha, State of Qatar.

After almost five months of therapy sessions, his doctors gave clearance allowing him to travel back to our native land, the Philippines.

Last Dec. 20, 2019 at around 2:00 PM, I was requested by COWME Chairman Engr. Newcesar T. Templonuevo (Engr. Edgar’s confidante Chairman with the same Alma Mater-Catanduanes State University who continually coordinated and assisted him and his family in their well-being) to assist in the sendoff of Engr. Edgar and his wife to Hamad International Airport.

During that instance, I had the chance to have a small talk with him regarding his future plans, and although still having difficulty with

his speech, he mentioned that he will be continuing his recuperation/rehabilitation in his Sorsogon home until he finds a new job when he sees himself already ‘fit to work’.

As an Overseas Filipino Worker (OFW), I advised him to avail of the many Overseas Workers Welfare Administration (OWWA) services that range from health care, disability benefits, scholarships and financial assistance for education and training, workers assistance and on-site services, and social services and family welfare assistance.

And in the same manner, I also mentioned the Philippine Health Insurance Corporation (PHILHEALTH) and Social Security System (SSS) benefits wherein he can avail these benefits provided that he is updated with his contributions.

He was so glad that I shared the information and promised to update his contributions to avail of these benefits.

Before we parted, he expressed his heartfelt gratitude to PICE Qatar for awarding him as one of the Most Outstanding Members in 2019 and for continuously supporting him during his time of ailment and distress. We bid them farewell, and till we meet again. ■

#PICE_Serves!

(Continued from page 5)

the challenges that we faced throughout this year.

It has been an honor, a privilege, and a pleasure working alongside these hardworking, dedicated, and talented members of the 2019 Leadership.

Finally, I would like to say that serving you as President is truly one of the highlights of my professional career. I will be continuing on as a member of the 2020 Board of Directors of the

Chapter as I will be stepping into the role of the Immediate Past President, sharing my experience and perhaps wisdom, and ensure my availability for consultation and active participation in the governance of the organization.

I will be available in support of the 2020 Chapter’s theme “Gearing Civil Engineers towards Professional Competencies”.

Again, I would like to express my gratitude and appreciation to the entire PICE Qatar membership for

their unrelenting support and active participation in all our programs and activities.

I walk away with memories and friendships that I will forever cherish.

Again, it has been a pleasure to serve PICE Qatar Chapter and I look forward to continued involvement during my year as past president and into the future.

More Power to PICE Qatar! ■



GIVE ME A MOMENT

by Engr. Alden Cayaga

Top 5 Most Overlooked Details in Structural Design

Ever since I worked for a consultancy firm here in the State of Qatar for about 12+ years, I have already reviewed a significant number of calculation reports and structural models that allow me to pinpoint mistakes and other overlooked details in the structural design process.

I do admit, at several instances of my career, that I have made these mistakes once in a while. But it is only with these mistakes that we can learn effectively as experience is still the best teacher.

Although my personal list may not match with yours, it is intended that the sharing of this information will be beneficial for reviewers and practicing civil-structural engineers.

* * * * *

Understanding the Project Brief

This document defines the client's particular requirements for the development of a built asset. The complexity of the preparation of the project brief depends on the type of structure being considered.

For reviewers of calculation reports and structural models, a very good knowledge of the project intent is highly recommended. As you can tailor your review based on the project specifics.

Of course, it would be proper that the reviewer must have ample knowledge, to begin with.

Otherwise, you might miss a lot in the review process.

Some information included in a project brief, particularly for the structural aspect, is as follows.

- *general project description (size, location, etc.)*
- *design philosophy*
- *structural design criteria such as codes and standards; materials design parameters; loading requirements; serviceability criteria; and foundation parameters*
- *structural analysis methodology - this often describes the software to be used, the detailing process and the likes.*
- *Development of conceptual structural system which includes floor framings; vertical and lateral force resisting systems and expansion joint strategy.*

Note that other details can be included in the project brief which will serve as your primary guide for the design and review process.

Applying the Correct Loads

A lot of the confusion when it comes to structural design and analysis comes from the loads that are being used in the structural model. Oftentimes, these loads are code-specific and depend on the provided architectural details.

To keep track of loading parameters, one suggestion is to

provide loading maps for a structure. This will make the tracking of the applied loads for both the design and analysis and its review process.

For areas that are still not finalized with regards to the expected loading parameters, a safe but not so exaggerated assumption is highly advised.

You may also use project archives with similar structures to determine the appropriate loads to be considered in the structural design and analysis.

Structural Modeling Issues

There are a lot of structural modeling issues that need to be considered when designing a structure. It all depends on the capability of the modeling software that you are using and the know-how of the user in creating such a model.

It is suggested that you try to model your structure as close as possible to the real conditions so as to capture the most likely behavior of the structure.

Sometimes, in order to simplify things, we need to provide general assumptions to make the design process short and conservative.

As such, all design assumptions must be declared in a report so that the ones reviewing the documents will understand your intention in making such assumptions.



Alden Cayaga is a civil-structural engineer by profession. He is secretly an introvert, a former real-time strategy games enthusiast, and a graphics designer wannabe.

He would like to make this column a personal notepad for some odds and ends, cool trivia and useful information, tutorials and other tips or DIY projects which he hopes others will find interesting and to encourage critical thinking.

Constructability Issues

Constructability does not only include information regarding if the actual design can be built or not.

Oftentimes, it also pertains to information such as availability of materials, the time table for procurement, or even the availability of the technology for use in the project.

There is also the parameter for cost and the project completion schedule.

For fast-track projects, the time parameter will be the driving factor in structural design and analysis.

As such, if it is a design and build project, a lot of assumptions have to be made with a considerable factor of safety.

This is to cover most of the uncertainties and unresolved design issues for construction implementation.

Detailing Errors

Structural drawings should generally match the design intent of the structure. As such, the design engineer of a project must be the primary reviewer of the structural drawings.

Another set of eyes, other than those who prepared the structural design, must also be on board the review process. This is to avoid any discrepancies in the details provided especially for those issuances intended for bidding and construction purposes.

Note that these structural drawings are the primary information that construction personnel use at the site. As such, having the latest and correct information is essential for the proper execution of a project.

* * * * *

As a recommendation, if reviewing calculation reports and models are your primary job, it would be beneficial to have a personalized checklist to suit your particular needs.

Note that each particular project requires different considerations with structural design and analysis.

Discussion with peers also helps, as a way to have a second opinion on a particular subject.

In this line of work, it helps if you are at pace with the changing times by learning advance tools and by reading technical journals and papers.

After all, learning is a continuous process and it is for life and the best way to retain what you have learned is by practice and to teach others of your knowledge and expertise. ■

Sources:

- https://www.designingbuildings.co.uk/wiki/Project_brief_for_design_and_construction
- <https://theconstructor.org/structural-engg/error-sources-structural-design/19072/>
- <https://westatix.com/blog/5-common-mistakes-in-structural-design>

FILL IN THE CODE
by Alden P. Cayaga



There are plenty of tourist attractions here in the host country.

Unjumble the scrambled letters to form a set of eight clues describing our secret word.

<secret word>	■ ■ ■ ■ ■ ■ ■ ■
HTHRCTOE	— — — — — ■ — —
USTSQMOEAE	— — — — — ■ — — — —
FRAAN	— ■ — — —
PEATLHR	— — — — — ■
OZANTWRAE	— — — — ■ — — — —
TAAKRA	■ — — — —
FAZORATLR	— — — — ■ — — — —
NANALDISE	— — — — ■ — — —

OUTSIDE HITTER

Russel Flores

LET US CELEBRATE

"Christmas isn't a season. It's a feeling" by Edna Ferber.

Celebrating the holidays with friends may be enjoyable but to celebrate it with the family is always memorable.

I am writing this piece as I celebrate the holidays in the Philippines after missing 14 Christmas seasons. Indeed, there are many changes and Christmas in the Philippines is not the way I remembered it. A classic case of expectation versus reality popped into my consciousness.

There are more Christmas lights the last time I spent Christmas here. There are also more houses decked with decors attuned with the celebration, more happier people greeting one another... Now, it is very evident that we have less of what I used to enjoy.

Nonetheless, a heart longing for the holiday never wavered. I tried the best that I could to keep the spirit alive. As I am a die-hard Ginebra fan, I have this never-say-die attitude and won't let the opportunity to celebrate be taken away.

Indeed, one doesn't need to have everyone agree to celebrate to liven the occasion, all we need is a family to share it with.

A simple meal can be made sumptuous with laughter and an

ordinary story can start a good memory to be shared in years to come.

As we end this year, we have more to be thankful for than regrets. We have lost a few battles but we have won the war! In the coming new year, let's start with a positive attitude and hold on to the faith - we will continue to be victorious.

We have won three times; I am committed to two more! Stay with us and rally with us as we reach for that dream!

"We are better throughout the year for having, in spirit, become a child again at Christmas time" Laura Wilder

As the ball is set, let's hit it but remember - **sports lang dapat!** ■

Fuchsia trashes Neon Anew, Wins 5th Crown

Alfonso Belito Betita



The Fuchsia Team is back in the winning form after trashing the Neon Greens 75 - 71 in the fifth game of the Best of Seven Series Championships, 7th President's Cup Basketball Tourney last December 9, 2019 at the Arab International Academy open court, Doha, State of Qatar. It was their 5th Crown out of 7 championships they played in the same tourney.

"Outgunned but never outfought"- this was the battle cry of the

Fuchsia team as they entered the game with only 8 players and trailing behind the Neon in the third stanza by a game-high 15 points courtesy of the Neon's power duo, Anton Abenoja and Jard Cortez.

In the 4th quarter, the champions slowly clawed back into the game capitalizing on the exhausted Neons and drawing powers from back to back baskets of the big man Bong Nevado and precise ball handling and offensive attacks of

Jerome Getuaban. With only 3 minutes remaining, Fuchsia's Joseph Macaraig throws the ball from the rainbow country which manages to find its mark - this, coupled with back to back misses of Anton Abenoja from the three-point area finally sealed the game at 75 - 71.

The awarding ceremonies were held on the sideline of the 12th EXECOMM 2019 Meeting at Oryx-Rotana Hotel, Old Airport Road, Doha, Qatar.

The individual awardees were:

- Most Valuable Player** - Jerome Getuaban (Fuchsia)
- Most Active Player** - Alfonso Belito C. Betita (Fuchsia)
- Season Best Coach** - Elvin Fajutagana (Fuchsia)

- 1st Mythical Five**
Joseph Julius Macaraig (Fuchsia)
Antonio Abenoja II (Neon)
Noel Jumawan (Fuchsia)
Jard Lee Cortez (Neon)
Rolan E. Nevado (Fuchsia)

- 2nd Mythical Five**
Newcesar Templonuevo (Neon)
Celso Burog (Fuchsia)
Rolando Concepcion (Fuchsia)
Arnaldo Paradero (Neon)
Jundee Mar Tejedro (Neon) ■

