

ELECTRONICS PRACTITIONERS OF RIYADH

VOL. 2, ISSUE NO. 3,
SEPTEMBER 2019

Congratulations to our New ECE's and ECT's of 2019 SPLE held in Riyadh, KSA

NEW

ELECTRONICS ENGINEERS (ECE)



NEW

ELECTRONICS TECHNICIANS (ECT)



**...and we made it on top once again! IECEP-KSA-CRC's
SPLE Review Class 2019 had produced 9 new Electronics
Engineers (ECE) and 24 new Electronics Technicians (ECT).**



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Governor's TIME

Dear Members,

Let me congratulate first our successful board passers of the recent 2019 Special Professional Licensure Examinations (SPLE) for Electronics Engineers and Electronic Technicians last August 12-14, 2019. We have achieved another milestone in our SPLE Review Class, with 9 New ECEs and 24 New ECTs hurdling the toughest examination ever. Of course, thank you to the support and effort of our SPLE Task Force led by VG Edu Teruyuki Ito Jr.



Last July was a busy month, as we had held our 9th IECEP-KSA-CRC Midyear Convention last July 5, 2019 at the Dabab Hotel. This was attended by more than a hundred members. The event includes the Oathtaking of 9 new PECE by Vice Consul Hon. Noel Rodriguez, submission of the Executive Reports by the Officers, a Seminar on Executive Order (EO) No. 70 by Police Attache' P/Col. Antonio Faro Olaguerra and Technical Seminars on Video Management System by ECT Virgilio Faminial Jr and Synchronization towards LTE, LTE-A and 5G by Engr. Ulysses Pacarro Jr.

Also we conducted our first cluster course on Fiber Optics Cable (Basic and Advance) Class with Engr. Ronnie A. Escobal as our lead Instructor. I am proud to say that we produced 20-Certified Fiber Optic Splicers and Testers and 10 of them are now Certified Fiber Optics Association Technicians (CFOT) by FOA.

Then the chapter headed the 3rd Special KSA Conferment for ASEAN Engineers 2019 with an Orientation and Mentoring Session at Four Seasons by Sheraton, Riyadh. We invited honored guests from the Philippine Technological Council (PTC) from the Philippines namely President Federico Monsada, Country Registrar Romulo Agatep and MENA Coordinator Trese Bustamante.

In August, the 7th Technical Seminar on Introduction to Signaling System No. 7 (SS7) with Network Performance Analysis by Engr. Frederick G. Roxas, ECE at 63 Hotel Suites, Riyadh was held and attended by almost 40 members. On August 12, 13 & 14 the Middle East SPLE at King Faisal Specialist Hospital was successfully organized by the PPO-CRSA with the active participation from our SPLE Working Committee under the direction of IECEP-KSA-CRC. With 928 examinee hopefuls took the examinations from 21 different professions in Riyadh including the ECE/ECT Board. Another first, was the successful passing of more than 30 chapter members on the TESDA NC II – Fiber Optic Assessment last August 17.

We also joined the 16th Annual Basketball League of Professional during the PPO-CRSA Opening Ceremonies on August 30. Participated by IECEP Jaguars and also winning the coveted the Best Muse Award. I am hoping that we finally get the championship this year.

The 8th Technical Seminar on Transport Optics Network by Engr. Ferdinand U. Giron, PECE was attended by almost 50 members last September 6. Then on 2nd cluster class started last Sep. 27 for 6-Friday sessions until Nov. 1, intitled Video Management System Cluster Course by Instructors ECT Virgilio Faminial Jr., Engr. Reyman Tabing and Engr. Jonathan Aquino at Prince Hotel, Riyadh.

Our institutional programs such as the ETEEAP is now ongoing with 20 members currently enrolled and recently started their weekly tutorial classes supported by our pool of volunteer instructors. We are eagerly awaiting for the results of the successful ASEAN Engineers/Technicians list from PTC of around 42 aspirants, which is expected to be released soon. Please continue to support your organization's activities and programs. See you in the next big event. - Governor Artemio "Tim" N. Dy

IECEP-KSA-CRC convenes its July 5, 2019 | Dabab Ho



IECEP-KSA-CRC held its 9th Midyear Convention on July 5, 2019 at the Dabab Hotel by Warwick, Riyadh, Saudi Arabia with the Theme - “ECE Professionals : Next Generation Leaders in Expanding Opportunities for the Digital Economy.”

The event was attended by more than a hundred Electronics Professionals and Practitioners from the membership in Riyadh. Technical Seminars on Video Management System and Synchronization towards LTE, LTE-A & 5G were presented by ECT Virgilio E. Faminial Jr. and Engr. Ulysses H. Pacarro Jr. respectively. Also a discussion on RA9292 by Engr. Jandee R. Bonifacio.

P/Col. Faro Antonio O. Olaguera, the Police Attache’ of KSA delivered an informative and lively seminar on Executive Order (EO) No. 70 - INSTITUTIONALIZING THE WHOLE-OF-NATION APPROACH IN ATTAINING INCLUSIVE AND SUSTAINABLE PEACE, CREATING A NATIONAL TASK FORCE TO END LOCAL COMMUNIST ARMED CONFLICT, AND DIRECTING THE ADOPTION OF A NATIONAL PEACE FRAMEWORK.

Highlighting the convention was the Keynote Address of the Philippine Embassy Vice Consul Hon. Noel L. Rodriguez at the same time administered the Oath of Professional to the chapter’s new PECE’s and ECT. Doing the honor in Charging the Professionals was Past Gov. Emmanuel R. Yumul , while Founding Gov. Mario A. Balboa conducted the Pledge of Professionals to the board passers. New members also took their Oath of Membership from Chapter Governor Artemio N. Dy.

The State of the Chapter was reported to the General Membership by the 2019 Executive Officers lead by the Governor.

9th MIDYEAR CONVENTION

Hotel by Warwick, Riyadh



Resource Speakers: (L-R) Virgilio E. Faminial Jr. ECT, Ulysses H. Pacarro Jr. and P/Col. Faro Antonio O. Olaguera

Induction of New Members
By Gov. Tim Dy



Oath Taking of New Professional Electronics Engineers (PECE) & Electronics Technician (ECT) by Hon. Noel L. Rodriguez

Completed Technical Seminars in 3rd Quarter



The first ever Cluster Course on **Fiber Optic Cable (FOC)** was conducted by instructor Engr. Ronnie A. Escobal from July 11– August 24, 2019. The course was divided into Basics on FOC and Advance - actual use & testing of FOC using Fusion Machines, OTDR and Power Meters. An actual field Project site inspection was experienced by the students. They also passed the Fiber-U online exam and successfully produced 10-Certified FOC Technicians by FOA or (CFOT).



The 7th Technical Seminar on **Introduction to Signaling System No. 7 with Network Performance Analysis** last August 3, 2019 was discussed by Engr. Frederick G. Roxas. More than 40 telecom practitioners earned 4-cpd units for this seminar.



TRANSPORT OPTICS NETWORK delivered on September 6, 2019 by Engr. Ferdinand U. Giron was the 8th Technical Seminar and attended by 50 practicing members in the field of electronics & telecommunications.

“Voice over LTE Our Future on Telecommunications”

By: Engr. Frederick G. Roxas, ECE

What is VoLTE?

VoLTE is a technology update to the LTE protocol used by mobile phone networks. Under LTE, the infrastructure of telecom players only allows transmission of data while voice calls are routed to their older 2G or 3G networks. This is why, under LTE, you cannot access your 4G data services while on a call. This leads to problems such as slow internet speeds and poor voice clarity.

VoLTE allows voice calls to be ‘packaged’ and carried through LTE networks. This would mean 4G data accessibility even during calls. VoLTE is an Internet Protocol Multimedia Subsystem (IMS) specification which enables a variety of services to operate seamlessly on the network rather than having to switch to different applications for voice or video. In Saudi Arabia, mobile phones and telecom operators have adapted to LTE networks, faster than to 3G and are preparing to launch VoLTE services. But not all players may be able to immediately implement this mainly due to costs and complexity in infrastructure.

Why is it important?

If VoLTE becomes a reality, it could enable call quality that is much superior to the previous networks. Apart from high definition voice quality, it can also provide improved coverage. Your network would pick up 2G or 3G signals when VoLTE is unavailable, ensuring you are always connected with both voice and data. You may also be able to place video calls directly from your number which may render applications such as Skype or Viber redundant. Since VoLTE counts voice calls as data usage, your billing will be in terms of data consumption rather than minutes of usage.

VoLTE can also extend or save your battery life. In the present scenario, your network has to switch from 4G to 3G every time you place a call. This constant switching and searching for a network takes a toll on your mobile battery.

On the downside, this service might be limited to mobile phones that are equipped with software to allow VoLTE function. There might be call drops in the initial stages of implementation.

In Saudi Arabia, STC was the first player to offer VoLTE services, followed by Zain which has recently launched its VoLTE services. Mobily is likely to roll out VoLTE services soon. However, it would take few years before the full benefits of VoLTE are reflected, as Saudi Arabia is in the nascent stages of VoLTE penetration and incumbents are still dependent on revenue from voice. If you’re just rejoicing at the free voice calls, be aware that VoLTE could put an end to this trend as operators may have to tweak their pricing plans accordingly.

Why should I care?

2G was once considered a fast network, but as our data usage gallops, leap-frogging to 4G can fetch us faster connectivity as well as a wider menu of services. Once on VoLTE, you could receive a new set Rich Communication Services (RCS) which include video calling, file transfer, real time language translation and voice mail services. Although you cannot make calls when your data plan is turned off, some telecom players may let you fall back on 3G services to make calls.

The Bottomline

VoLTE may be superfast, but whether it allows you to make a voice call in a fast moving train or in the subway still remains to be seen.

Advanced Level Engineering

IECEP Heads the 3rd KSA Special Conferment of ASEAN Engineers

Riyadh - This event was initiated and organized by the Philippine Professional Organization-Central Region Saudi Arabia (PPO-CRSA) & IECEP KSA CRC under the leadership of PPO-CRSA Chairman & IECEP-KSA-CRC – Chapter Governor Engr. Artemio N. Dy in cooperation with the Philippine Technological Council-Middle East & North Africa (PTC-MENA) and the Philippine Council of Engineers and Architects (PCEA) on July 18 - 19, 2019 at the Four Seasons Hotel in Riyadh, KSA.

Day 1/July 18:

The invited dignitaries from the Philippine Technological Council (PTC) namely, Engr. Federico A. Monsada (PTC President), Engr. Romulo R. Agatep (PTC Country Registrar) and Engr. Trese Bustamante (Presidential Adviser) had courtesy calls to the Saudi Council of Engineers Secretary General Moh. Eng. Farhan Alshammari and to the Philippine Ambassador to KSA, Hon. Adnan V. Alonto together with the officers of PCEA and IECEP-KSA-CRC. In the evening, an ASEAN Whiteshop was conducted by PTC and were attended by 20 aspirants from different engineering professional from the kingdom.



Courtesy Calls to Phil Ambassador Hon. Adnan Alonto and to SCE Secretary General Eng. Farhan Alshammari

Day 2/July 19:

Fifty-four (54) ASEAN Engineers were conferred from different engineering disciplines such as Electrical Engineering, Electronics Engineering, Civil Engineering and Mechanical Engineering. The Philippine Ambassador delivered his heartfelt and warm congratulation to the new conferees of the event and appreciated how the Filipino professionals in the kingdom progresses and help to build the nation by sharing their abilities, dedication and integrity. Later in the afternoon, a Mentoring Session was organized and attended by more than 50 aspirants.



Their documentation were assessed and an interview was done to each of the participants by the PTC delegation.



Group Photo of the New ASEAN Engineers

ETEEAP Enrollees conducts Tutorial Classes

Last September 6, 2019, the chapter launched its first tutorial class in support to the Bachelor of Science in Electronics Engineering (BSECE) students who are working in Riyadh, Saudi Arabia and enrolled in the Extended Tertiary Education & Equivalency Program (ETEEAP) with the University of San Jose-Recoletos, Cebu City. The students enrolled in this program recently passed the assessment conducted by the university.



Engr. Agni Red in one of the Tutorial Classes

The students are part of Overseas Filipino Workers (OFW) who are electronics practitioners and who are eager to pursue their engineering degree.

Engr's Enrico S. Manalo and Jose Agni C. Red both experts in Instrumentation and Controls field, discussed the topic for the first session of the tutorial class.

The classes is scheduled every Friday from 8am-6pm at the Prince Hotel in Riyadh.



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IECEP-KSA-CRC Passing %

ECE - 9 (21%)
ECT - 24 (65%)

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2019 SPLE Event

After 8 months of hardships and preparation, our SPLE 2019 examinees took the one of the biggest challenges of their lives, the ECE board exam. The Special licensure examination were conducted for the 21 professions last August 12 to 14, 2019 headed by the PPO Chairman Engr. Artemio N. Dy and SPLE Committee Chairman Engr. Teruyuki P. Ito Jr.

Around 960 examinees took the exam at King Faisal Specialist Hospital, the SPLE venue for this year. The examinees arrived at the venue as early as 6am, they are then guided by the PPO officers to their respective room & seats. The examinees confidently answered the exam questions with all their knowledge and techniques learned during the review. The examinees gave their best to fulfill their dreams to become a licensed engineer.



The SPLE Post Evaluation Meeting

Professional Regulation Commission (PRC) headed by Atty. Lovelika T. Bautista conducted the Post evaluation meeting held at Holiday Inn, and attended by all PPO Chapter presidents, the Philippine Embassy, Riyadh, (Represented by: Consul Gen., Cultural Attache, Police Attache), and PO-LO officials. The aim of the post evaluation meeting is to discuss the lessons learned during the conduct of SPLE and identify any room for improvement.



CRC on the MOVE

IECEP leads the outreach program for the Bahay Kalinga Female Quarters - Riyadh, Saudi Arabia last July 13 and 26, 2019 respectively. The noble act was also supported by the Police Attache' Police Colonel Faro Antonio O. Olaguera and Assistant Police Attache' Police Executive Master Sergeant Glenn S. Vales.

The Bahay Kalinga in Riyadh City was built as a family residence, and was not design for a huge number of occupants, hence overloading may occur and safety is compromised. Officers and Members, conducted inspections and repairs covering electrical and mechanical which includes the following but not limited to power outlets, lighting fixtures, CCTV, electrical wiring, aircon and plumbing, etc. The activity were organized for 2 days, the 1st inspection was carried out last July 13, 2019 and followed by 2nd inspection on July 26, 2019.

Also distributed food supplies and basic necessities to our distressed OFW wards in Bahay Kalinga, as well as teaching them regarding maintenance and safety best practices. The outreach program benefited 388 distressed OFW and expressed their heartfelt appreciation to the support and generosity of IECEP-KSA-CRC & PPO.



Outreach Program

Electronics (CCTV), Electrical and Mechanical Repairs & Distribution of Basic Necessities Items at the Bahay Kalinga Female Quarters

Join & Support Our 69th IECEP National AGM 2019



IECEP 2019

INTERNATIONAL ELECTRONICS CONFERENCE & EXPOSITION PHILIPPINES

69TH ANNUAL GENERAL MEMBERSHIP MEETING

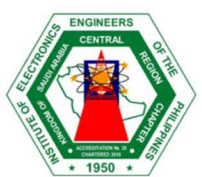
ECE PROFESSIONALS:
NEXT GENERATION LEADERS IN EXPANDING OPPORTUNITIES IN DIGITAL ECONOMY
November 28-30, 2019
ABS-CBN Tent, Vertis North, Quezon City

#OneIECEP

Ongoing/Upcoming Activities:

- September 11-November 1 - Video Management System Cluster Course
- October 4 - 9th Technical Seminar on IP Multi-Media Subsystem
- October - Adapt a School Outreach (Repair of Classroom Roof)
- October 14-15 - Financial Support to 8th Philippine Professional Summit
- November - Inter-Color Bowling Tournament
- November 15 - 10th Technical Seminar on FTTH
- November 29-30 - 69th IECEP National AGM Quezon City
- December 6 - 9th IECEP KSA CRC Annual General Membership

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