IEEE IAS SECTION PERU
FIRST SEMINAR IAS - UNSAAC
Report by
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UNSAAC SBC11731C NATIONAL UNIVERSITY OF SAN ANTONIO ABAD DEL
CUSCO
CUSCO – PERU
EVENT TITLE: *First Seminar, DISTRIBUTED GENERATION.*

DATE OF THE EVENT: *November 22, 2018*

LOCATION OF THE EVENT: *Auditorium of Electronic Engineering*

DURATION OF THE EVENT: *3:00 a.m. to 7:00 p.m.*

The chapter IAS - UNSAAC SBC11731C - National University of San Antonio Abad of Cusco, IA34, on November 22, 2018 was developed the "**THE FIRST IAS SEMINAR**".

The event was developed through the planning of a program that includes 4 lectures on the theme "**GENERATION DISTRIBUTED**".

The event titled "**FIRST SEMINAR IAS**" event of great relevance to society addressed to different professionals, teachers, students and specialists in the field of "distributed generation".

**OBJECTIVE**

Bring students with leading professionals in the industry to address the latest issues of innovation and how engineering contributes to the development for them, exchange of experiences.

Encourage students to be part of the IEEE, *Industry Applications Society - UNSAAC* student chapter and the development of new leaders in the School of Electrical Engineering with the ability to plan and execute large-scale events.

**EVENT "GENERATION DISTRIBUTED"**

The event was held on *November 22, 2018*, in the *Auditorium of the Electronic Engineering Professional School - UNSAAC*, at a time between 3:00 p.m. to 7:00 p.m., which was inaugurated by the integrating pre-graduate student of the student chapter IEEE - IAS - UNSAAC, JESUS FLORES HUAMAN, who started the keynote talks. According to the program, after the inauguration, support material was handed out and the installation act that started the speakers' presentations, which were in charge of:

- *Mgt.Ing. Ludwin Willfredo Castillo Quispe, HEAD OF THE OFFICE OF THE ELECTRO SUR EAST CONTROL CENTER (ELSE)*, with the conference "**IMPACT OF THE GENERATION DISTRIBUTED IN THE COORDINATION OF ELECTRICAL PROTECTION IN A RADIAL DISTRIBUTION FEEDER**";
Mgt.Ing. Carlos Menendez Deza - COMMERCIAL MANAGER Electric Power Company Machupicchu S.A (EGEMSA), with the presentation "MARGINAL COSTS BETWEEN RENEWABLE ENERGY AND ENERGY"

Mgt.Ing. Jesus Garcia Uscamayta - REGIONAL ELECTRICITY SPECIALIST OF THE ORGANIZATION OF SUPERVISORS OF INVESTMENT IN ENERGY AND MINES (OSINERGMIN), with the conference "NORMATIVA EN GENERACION DISTRIBUIDA" and

Mgt.Ing. Jose Willfredo Callasi Quispe - PROFESSOR INVESTIGATOR OF THE PROFESSIONAL SCHOOL OF ELECTRICAL ENGINEERING OF THE UNSAAC, with the topic "IMPACTS OF THE INTEGRATION WITH SOLAR PHOTOVOLTAIC ENERGY IN THE NETWORK OF LOW TENSION OF THE UNSAAC".

This event was attended by 60 participants among university teachers, students and special guests. It was attended by important companies from the Cusco region of the energy sector, EGEMSA Electric Power Company Machupicchu, ELSE Electro South East and OSINERGMIN Supervisory Body of Investment in Energy and Mining.

The four main presentations had 45 minutes of exposure and 5 minutes of questions that were carried out in an orderly manner and respecting the times established in the calendar.

In the context of the general conclusion and in accordance with the expressions of the attending public, we could see that the event itself was a success, the advisor of the student chapter IAS - IEEE Eng. José Willfredo Callasi Quispe gave the closing words and thanked the great reception of the Antonian student community and the professionals of the related branches.

PANELISTS


Mgt.Ing. Jose Willfredo Callasi Quispe - PROFESSOR INVESTIGATOR OF THE PROFESSIONAL SCHOOL OF ELECTRICAL ENGINEERING OF THE UNSAAC.
TEAM ORGANIZER: JESUS FLORES HUAMAN, ROCIO HUAMAN HUAMAN, WILLY BOLIVAR BELTRAN, ALBERTH HUARHUA TUPAYACHI, FREDY CHOQUEHUANCA VELAZQUEZ.

Auditorium of Electronic Engineering
Team Organizer: chair IAS-UNSAAC: Jesus Flores Huaman and Vice chair: Alberth Huarhua Tupayachi.

Auditorium of Electronic Engineering
TECHNICAL VISIT TO THE MINI HYDROELECTRIC CENTER OF HERCCA CUSCO, PERU.

The hydroelectric plant Hercca (CH HERCA), is located in the province of Canchis and the district of Sicuani, department of Cusco, at an average height of 3740 meters above sea level in the middle zone of the Hercca river basin, a tributary of the Vilcanota River, east of the Andes mountain range.


DATE OF THE EVENT: November 23, 2018

LOCATION OF THE EVENT: Sicuani - Cusco

DURATION OF THE EVENT: 6:00 a.m. - 3:00 p.m.

COMPANY IN CHARGE OF THE MINI CENTRAL: Electro Sur Este S.A.A

OBJECTIVE:
Complement the knowledge obtained in theory, learn more about the industrial environment. To have a solid professional training, the technical visit helps the students to have a perspective of the world of the industries.

SUMMARY OF THE EVENT:
The visit to the HERCCA mini hydroelectric plant was made on November 23, 2018, with the aim of complementing everything learned in the "SEMINAR OF THE FIRST INDUSTRIAL APPLICATIONS INDUSTRY", Topic: DISTRIBUTED GENERATION.
The student chapter IAS - UNSAAC SBC11731C - National University of San Antonio Abad of Cusco, IA34 made a technical visit for engineering students and branches related to the mini hydroelectric power station of Hercca, located in Sicuani - Cusco.
The group of the visit was made from the main door of the University to the facilities of the mini hydroelectric power station, approximately 3 hours of trip, when arriving at the mini-central, the person in charge gave a presentation on the operation of the plant, the respective security and then the visit to each of the facilities and equipment that make up the mini hydroelectric power station of Hercca.

The technical visit culminated at 1:00 pm, which was a very pleasant experience for the students to obtain exclusive information and be able to see in real time the processes for the generation of energy, all the infrastructure and equipment that make it up.
The Student Chapter IAS-UNSAAC is grateful to the distribution and marketing company ELECTRO SUR ESTE SAA, concessionaire of the distribution of electric energy within its concession areas in the regions of Cusco, Apurímac, Madre de Dios, for giving us the opportunity to carry out technical visits to its facilities.
Photographic Panel

Mini Hydroelectric Plant of Hercca

Vilcanota River
Mini Hydroelectric Plant of Hercca

Electrical Equipment