

IAHR UNIVERSIDAD NACIONAL DE INGENIERÍA - GEAHH- Young Profesional Network

2021 Annual Report of Activities

1. Introduction

We are students of Civil Engineering at the National University of Engineering. We have affinity with the Hydraulics and Hydrology branch of our career. Given this, the topics we discuss are mainly hydraulic structures, data science, geographic information systems. Our YPN develops conferences, workshops and internal activities related to the mentioned topics.

2. 2021 main goal and key objectives

Our YPN aims to promote, disseminate and develop activities that contribute to the engineering training (including academic plans, workshops, research and leadership) to students of the Faculty of Civil Engineering of the National University of Engineering, contemplating a projection towards other universities and institutions, in the areas of hydraulics and hydrology, and also to share knowledge and experiences in the field of engineering and research related to water.

3. Composition

Officers

President

José Luis	Hinostroza Gonzales
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Vice President

Jorge Manuel	Wu Esquivel
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Advisor

Julio Martin	Kuroiwa Zevallos
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List of members

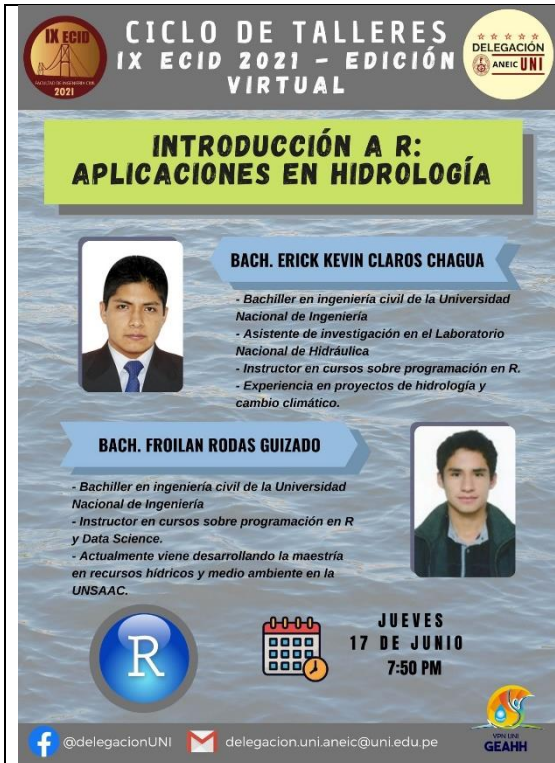
Name	Surname	Country	Membership category (student or professional affiliate)
Dante Ramiro	Lucano Alarco	Peru	student
Piero Edson	Edson Conislla	Peru	student
Gerles Ediver	Mediana Orellano	Peru	student
Pablo José	Mendoza Sabchez	Peru	student
Anthony	Torre Palomino	Peru	student
Jharol Jhordan	Tovar Quintanilla	Peru	student
Maggie Rebeca	Mallqui Astocaza	Peru	student
Leonardo Miguel	Peña Vilca	Peru	student
Erick Kevin	Claros Chagua	Peru	student
Adriana Mercedes	Bravo de la Torre	Peru	student
Jorge Alberto	Sotelo Sajami	Peru	student
Mitsue Mishel	Huatuco Miranda	Peru	student

4. Communications


Website	
Facebook	https://www.facebook.com/geahh.uni
Twitter	
Instagram	https://www.instagram.com/geahh_uni_peru/
Linkedin	www.linkedin.com/in/iahr-uni-geahh
Other	

5. Activities


Activity 1

 <p>CICLO DE TALLERES IX ECID 2021 - EDICIÓN VIRTUAL</p> <p>INTRODUCCIÓN A R: APLICACIONES EN HIDROLOGÍA</p> <p>BACH. ERICK KEVIN CLAROS CHAGUA</p> <ul style="list-style-type: none"> - Bachiller en ingeniería civil de la Universidad Nacional de Ingeniería - Asistente de investigación en el Laboratorio Nacional de Hidráulica - Instructor en cursos sobre programación en R. - Experiencia en proyectos de hidrología y cambio climático. <p>BACH. FROILAN RODAS GUIZADO</p> <ul style="list-style-type: none"> - Bachiller en ingeniería civil de la Universidad Nacional de Ingeniería - Instructor en cursos sobre programación en R y Data Science. - Actualmente viene desarrollando la maestría en recursos hídricos y medio ambiente en la UNSAAC. <p>JUEVES 17 DE JUNIO 7:50 PM</p> <p>@delegacionUNI delegacion.uni.aneic@uni.edu.pe</p>	<p>Workshop: An introduction to R and Rstudio. Applications in Hydrology</p> <p>Dates June 17th, 2021</p> <p>Objectives : <i>Teach the applications of the R language in Hydrology to the assistants</i></p> <p>Description Before the beginning of the workshop it was indicated to install Rstudio, download the libraries and the files that would be used in the session.</p> <p>It started with some basic operations in Rstudio. The use of R libraries for precipitation data were explained with examples.</p>
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Activity 2


 <p>CEIC GEAHH</p> <p>SEMANA DE CONFERENCIAS-SEMANA FIC XII</p> <p>"INVESTIGACIONES RECIENTES EN INGENIERÍA DE RÍOS"</p> <p>DR. RONALD GUTIERREZ</p> <ul style="list-style-type: none"> • PROFESOR ASOCIADO DE LA PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ. • INGENIERO CIVIL DE LA UNIVERSIDAD NACIONAL DE INGENIERÍA CON MSc Y PHD EN INGENIERÍA CIVIL DE LA UNIVERSIDAD DE PITTSBURGH. • SU TRABAJO DE INVESTIGACIÓN SE ENFOCA EN EL ESTUDIO DE SEÑALES GEOFÍSICAS QUE DESCRIBEN LA HIDROMORFODINÁMICA DE LOS RÍOS, PRINCIPALMENTE LOS RÍOS DEL SISTEMA AMAZÓNICO. • TIENE MÁS DE 15 AÑOS DE EXPERIENCIA COMO INGENIERO EN PROYECTOS DE DISEÑO Y CONSULTORÍA PARA LA INDUSTRIA MINERA Y EL SECTOR AGRÍCOLA. <p>01 DICIEMBRE 6:00 PM</p> <p>TRANSMISIÓN: zoom LIVE</p> <p>SEMANA FIC</p> <p>GEAHH</p>	<p>Webinar: Recent Research in River Engineering</p> <p>Date December 01st, 2021</p> <p>Objectives <i>To share some research that involves rivers in South America</i></p> <p>Description This seminar focused on the topic of morphodynamics in Andes rivers. Different methodologies to study rivers were presented in the online webinar.</p>
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Activity 3

 <p>PROYECTO TIBURONCITOS</p> <p>Agradecemos la participación en el proyecto tiburoncitos en estas primeras 3 sesiones: Centrales Hidroeléctricas; Presas de embalse y Estructuras Asociadas; Ecuación de Bernoulli.</p>	<p>"Proyecto Tiburoncitos"</p> <p>Dates October Saturdays, 2021</p> <p>Objectives <i>To present an overview of the Hydraulics and Hydrology branch in civil engineering to students in their first years at university.</i></p> <p>Description This activity consisted in different seminars in Zoom: It was presented theory of the topics: Hydroelectric power, dam, Bernoulli equation. There were homework at the end of each session.</p>
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Activities to promote membership:

Activity 1

 <p>CONVOCATORIA GEAHH 2021 - 1</p> <p>¿Qué líneas de investigación hay en esta rama? ¿Quieres desarrollar en una de nuestras áreas? ¿Qué puedo aprender si aún no he llevado ni Mecánica de Fluidos 1? ¿Quieres conocer sobre el GEAHH? ¿Qué es la IAHR?</p> <p>RESPONDE A ESTAS PREGUNTAS EN NUESTRA CONVOCATORIA</p> <p>COMPLETA EL FORMULARIO EN LA DESCRIPCIÓN</p> <p>SÁBADO 03 DE ABRIL 5 PM</p> <p>SÍGUENOS EN: f IAHR UNI - GEAHH - Young Professionals Network ig geahh_uni_peru in IAHR UNI - GEAHH - Young Professionals Network</p>	<p>Searching for new members GEAHH</p> <p>Dates April 03rd, 2021</p> <p>Objectives: To present our YPN to our fellow university students and this branch of Civil Engineering</p> <p>Description First we got together in a meeting in Zoom Second we presented our active members and how we are organized Third, we talked about the activities we were planning to do in the term. There were some activities including the use of padlet and typeracer for interaction with the new aspirants.</p>
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6. Partnerships and collaborations

Partner organisations and/or interaction with related national organisations

Organisation	Description of partnership
CEIC UNI	Conferences organization

Collaboration with other YPNs

YPN name	Description of collaboration

7. Contributing to the strategic plan

7.1. Please describe how your activities in 2020 have contributed to and advocated for IAHR's vision and strategic plan (<https://www.iahr.org/index/detail/101>)

We have held a series of conferences to spread knowledge on various topics.

Some workshops were carried out for the dissemination of knowledge by members of our YPN.

7.2. Please describe how your YPN contributes to the IAHR YPN high-level aims

Throughout the previous period we have carried out activities with the members of our association to promote a scientific attitude and research skills.

Specifically, we have carried out a reading of scientific articles that include topics related to hydraulic engineering, hydrology, irrigation and water resources management.