

April 2021

ISUS Newsletter

International School of Urban Sciences, University of Seoul

Cover Story

<Mid-term Exam & Graduation and Qualification Exam>

Students will take mid-term exam on April and GC and SUD students will participate in Graduation and Qualification exam on the April 16th in the Law Building. ISUS essentially requires students to pass Graduation and Qualification Exam for graduation. All Master's degree candidates must pass the 2 or 3 subjects until graduation.

<Spring Comes with Warm weather >

Since last winter, the weather had been freezing for so long but starting this April, the sun is up high, the buds sprout and flowers blossomed. Miraculous spring is now with UOS campus and we share these photos through this issue.

<63rd UIF Scheduled >

63rd Urban Infra Forum will be held on 14th of April at 19:00~20:30. With the topic "International Cooperation through the Environmental ODA Programs", Mr. Jae Kwon LEE, Senior Researcher of Overseas Business Office, Korea Environmental Industry of Technology Institute, will deliver a lecture.

<Current COVID-19 Situation >

Daily confirmed cases of COVID-19 are still around 400-500. So, the government still maintains current social distance level and retains ban on gatherings of 5 or more people. Especially, students in dormitory should be careful to keep the code of conduct all the time.

Three ISUS Students Certified as Global PPP Experts

Three ISUS students got the APMG PPP Certification after taking the class at ISUS. Interview was held on March 18th and 19th to cover how they got the certification.



Their interviews provided as below:

Q1. Can you introduce yourself?

Lee Heebyung: Hello. I am Lee heebyung(HB), Global Construction 8th. I had worked at KEPCO(Korea electric power corporation) E&C and was in charge of contract management for nuclear power plants(NPP) to be constructed not only in Korea but also overseas such as UAE NPP etc. And recently I have established MP Global as one of owners with some professors. MP Global works for the development of projects having a partnership with related companies. It is the very beginning of the business, so we are having a busy day these days.

Park Bumsoo: Hello. I am Park bumsoo, Global Construction 8th. I majored in Civil Engineering and now I am working at SK E&C and in charge of procurement such as construction materials and equipment.

Jung Suksoo: Hi, I am Jung Suksoo, Sustainable Urban Development 8th. I am working at KOTRA (Korea Trade-Investment Promotion Agency). I had worked for a few years in Latin America: four years in Brazil, three years in Mexico. Last year, I returned to Korea and now as a Project Manager (PM), I am working at the Digital & Green & Project department. The department is dealing with the work related to the Korean Digital New Deal of Moon's administration and supports IT small and medium-sized enterprises to enter the foreign market. As a PM, I am especially dealing with the businesses of smart city and smart farm.

Q2. Can you explain the APMG PPP Certification?

Lee Heebyung: The APMG PPP Certification is the comprehensive knowledge system established by Multilateral Development Bank (MDB) in order for pertinent persons to utilize PPP for the construction and operation/management of infrastructure from the risk, financial and institutional and environmental standpoint. I believe this certification is essential to obtain for those who deal with international business because it covers Project Management which is useful for overseas business.

Park Bumsoo: APMG is the internationally famous organization for qualifying examination. The APMG PPP certification has three exams: Foundation exam which is pre-requisite for practitioner level and Preparation/Execution exam for practitioner level. The exam that we took was the first level, Foundation exam which tests whether a candidate has sufficient knowledge and understanding of PPP.

Jung Suksoo: The certification was established to create a consistency of terms used in PPPs and to standardize the process for the delivery of PPP projects worldwide. Most programs designed by Multilateral Development Bank utilize PPP for infra building businesses

Q3. What is your motivation to get the certification and how did the class of ISUS help you to prepare the exam?

Lee Heebyung: I would like to share the general background how I started to study at ISUS. When I had engaged in the project development for IPP, I just devoted myself for the development project without any background knowledge of the area. I had been dispatched to Indonesia to manage the project, but I felt the lack of professional knowledge. One day I saw the notice of ISUS admission by chance and I applied for it. Consequentially, it turned out helpful for me to develop the professionalism. Even if the class is quite hard to follow, it helped me to access to the knowledge system.

Park Bumsoo: Even if I already had known the certification, I could not give it a try easily because preparing the exam was a little costly and I thought it was too professional. However, by taking the course of PPP, I could have a confidence and good grasp of PPP. Therefore, I took the APMG PPP certification exam. Through this newsletter interview, I would like to thank Pf. Park Hyun again.

Jung Suksoo: I had already been acknowledged of this certification before and have been interested in it. At the class of Professor Park last semester, I learned PPP and the professor recommended me to take the test. I could take courage from the encouragement of the professor and decided to take the exam. Also, I made the decision because I thought it would be really helpful for my career.

Q4. How will this certification help you in terms of career development?

Lee Heebyung: I believe another 30-years life starts after 60 years old. Therefore, I decided to study, and I am planning to develop my career further in the area of PPP. That is why I entered the ISUS, and I will study hard here to build the foundation for my future career.

Park Bumsoo: I am majoring Global Construction at ISUS. Through taking the courses, I could realize that the infra development is promising area. Also, PPP has a lot of potential to be utilized in various divisions in terms of cost efficiency. Our company had been focused on Engineering, Procurement & Construction (EPC), but the pivotal businesses are converted into PPP nowadays, which means we not only provide Engineering, Procurement, Construction(EPC) service but also develop, invest, construct, operate and maintain projects by cooperating with governments. In this sense, learning PPP at ISUS will help me to improve my work performance at the workplace.

Jung Suksoo: After I got a certification, I could consider developing my career into an expertise in PPP as a possible option. I would like to take an exam of the next level of the certification. Working at KOTRA, I should work abroad at foreign trade centers periodically. What I learned at ISUS will provide a lot of useful insights when I work abroad. Furthermore, I could expand the spectrum of career path including working at Multilateral Development Bank (MDB) such as World Bank, Asian Development Bank and etc.

Q5. Do you have another comments you want to talk before we finish the interview?

Lee Heebyung: I want to share my episode related to taking the exam of the APMG Certification. The exam was online, and it was quite hard for me to access to the exam because I was not really familiar with taking an exam online. Therefore, it took some time to access to the exam and I was late for the exam about 40 minutes. I was panic at first so I could not fully concentrate on reading the questions. However, as time went by, I regained my composure and solved the question quickly. Fortunately, I got the certification, but the online exam was hard to adapt at first.

Park Bumsoo: When I entered ISUS, I would like to have taken an overseas internship program but due to Covid-19, it became impossible, so it is a little bit sad. Still, I am enjoying the school life with my classmates.

Jung Suksoo: Even if the whole classes are online, I am satisfied not only with the curriculum of ISUS but also with meeting classmates whose background is diverse. In the classes, I could gain the professional knowledge with the practical business skills from professors who have a lot of field experiences. Also, I could network with classmates from different background.

ISUS 62nd Urban Infra Forum



ISTANBUL STRAIT ROAD TUBE CROSSING PROJECT (Eurasia Tunnel Project)

March 2021

S. J Seo



The ISUS 62nd Urban Infra Forum (UIF), which marks the first UIF for 2021 Spring Semester, is held Wednesday, March 10th, from 7:00 to 8:30 PM as a type of webinar via Zoom, with the topic, “Istanbul Strait Road Tube Crossing Project (Eurasia Tunnel Project)”, delivered by Dr. Seok Jae Seo, currently an adviser of CA Partner and he was a former senior vice president of SK Engineering & Construction.

The participants were granted a valuable opportunity to listen to the story about “Construction of Tunnel under the Istanbul Bosphorus Strait”.

UIF is discussion forum on Infrastructure, Sustainable Urban Development, Construction, Environment, or related issues with invited speakers.

Participants are mainly ISUS members who consist of Foreign Public Officials and Domestic Practitioners With a combination of their expertise, the forum has served as a platform for international networking and mutual learning.

You can find the lecture materials of UIF on the website below.

http://isus.uos.ac.kr/freeTC/list.do?list_id=50018C7

ISUS homepage > community > Urban Infra Forum

IRF (International Road Federation) Asia-Pacific Virtual Conference Presentation and Participation

IRF Asia-Pacific Virtual Conference

Details

Start: March 18 at 23:00
End: March 19 at 23:00
Venue: Virtual Conference
Address: Virtual Conference
Phone: +1 202 555 1001
Event Type: Conference, Training
Cost: IRF MEMBERS USD \$200, NON MEMBERS USD \$400, PUBLIC SECTOR & WORLD BANK & ADB Complimentary

DOWNLOAD PROGRAM

REGISTER NOW

The International Road Federation (IRF) Asia-Pacific virtual Conference was presented from 2021. 3. 16 (Tue) ~ 3.19 (Fri), 2021 with the presentation title “Experimental Variables Assessment for Virtual Road Safety Audit Using Analytic Hierarchy Process” which was hosted by the IRF. The presenter was Professor Chunho Yeom and the participants were 21 MUAP students who are attending ‘Transportation Policy’ class and 10 students from MURD and SUD who are attending ‘Transportation and Infrastructure’ class. The presentation was based on a 3-year project funded by the National Research Foundation of Korea.

Conference description: IRF’s flagship event in Asia-Pacific will bring together the leading stakeholders and experts in the region to discuss best practices, technical innovations, new technologies and policy recommendations that support regional connectivity and economic cooperation and development. The conference will also examine the impact of the COVID19 pandemic on road and transport agencies and the steps needed to ensure the region’s infrastructure investment needs are met.



IRF Asia-Pacific Virtual Conference

IRF Asia-Pacific Virtual Conference

17-18 Nov 2020

Search

Agenda

Chairman

Attendees

Speakers

Sponsors

Exhibitors

Announcements

Conference Papers

Rolling

App Guide

CNA

Event Guide

Home

Exhibitors

Connectors

Messages

Event

Event Guide

Back

Session



IRF Asia-Pacific Virtual Conference

IRF

Executive Session: Improving Road Safety through Analytics



Philip Wilson
Secretary General



Professor Charles Nzele
University of Social



Paul Dondos
AR

4:00

4:00

Executive Session: Improving Road Safety through Analytics

DETAILS

PARTICIPANTS

★★★★★

Reviews

Report Abuse

CALENDAR



17 Nov 2020

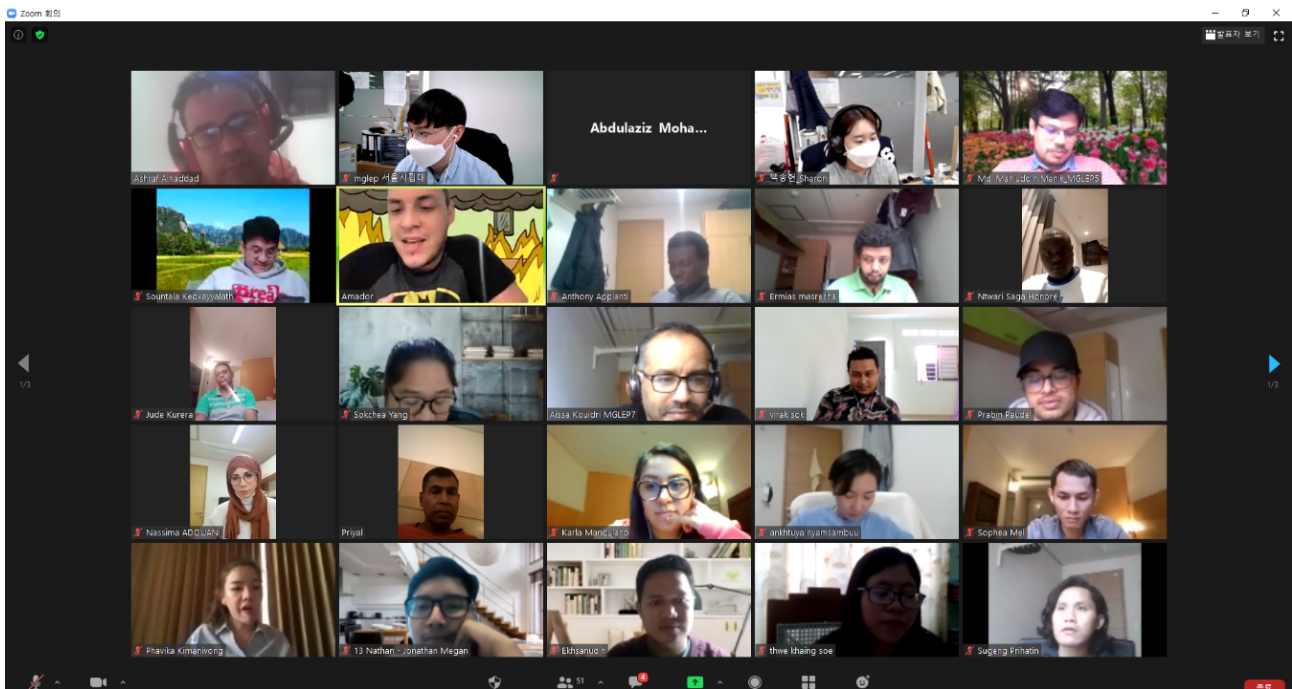


10:00 AM - 11:45 AM

Join this calendar

Your Time 12:00 PM

MGLEP 1st Union Meeting



The MGLEP batch 5,6 and 7 students joined online MGLEP union meeting on March 12. This was a meeting where MGLEP students from the 5th, 6th, 7th, Prof. Hyun PARK, Prof. Chunho YEOM, and 3 MGLEP coordinators greeted each other and talked about the upcoming spring semester.

Each of the students introduced themselves one by one, and all the students of MGLEP shared their background, expertise, and future plans. The professors gave an advice to the students to see and experience as much as possible while studying in Korea. In addition to that they also emphasized that the 5th students who write the thesis this semester will work harder, and the new 7th students hope to adapt to Korea quickly and study harder.

We hope that when the COVID-19 situation is over, everyone will gather and meet face to face.

2021 MIPD Winter Internship



MIPD Internship at A Glance:

Twenty MIPD batch-3 students were assigned internship to 10 organizations from February to March 2021.

#Korea National Railway

-Korea National Railway conducted online intership and field trip from 2021.03.19(Fri)~03.26(Fri)

Participants: Bayasalma GANBOLD(Mongolia), Tengis GANBOLD(Mongolia), Betul KANTARMAN (Turkey), Aroonrot CHOOSAKUN(Thailand), Yaowapa CHAITTIPORNWONG(Thailand), Huyen Thanh NGUYEN(Vietnam).

2021 MIPD Batch 3 Meeting



The MIPD Batch 3 meeting was held from March 23 to 26. In this meeting, students and coordinators gathered to talk about the operation of MIPD. The meeting also introduced the new coordinator to the students. As the new semester began, students shared their wishes with the new coordinator. And the students shared their wishes with her regarding academic management and school life.

This meeting was held by small groups due to COVID-19. We hope that COVID-19 situation is over so that everyone can meet together.

Publications in the KCI (Korea Citation Index) Journal 1

KJCEM 22. 2. 063~071
March 31, 2021

www.kicem.or.kr (pISSN 2005-6095 / eISSN 2465-9703)
<http://dx.doi.org/10.6106/KJCEM.2021.22.2.063>

Feature Selection을 활용한 해외 건설의 공사변경 관리에 관한 연구 - 중동 플랜트 건설프로젝트를 중심으로 -

홍선영¹ · 염춘호^{2*}

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A Study on Change Orders in Overseas Construction using Feature Selection - Focus on Plant Construction in the Middle East -

Hong, Sunyoung¹, Yeom, Chunho^{2*}

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Ms. Sunyoung Hong (Global Construction 7) and Professor Chunho Yeom published an article entitled "A Study on Change Orders in Overseas Construction using Feature Selection - Focus on Plant Construction in the Middle East -" through Korean Journal of Construction Engineering and Management on March 31, 2021.

[Abstract]

This paper looks into how to enhance construction project management, focusing on the change order, which is often considered one of the major causes for construction delays, disputes, and claims in the middle east construction. First, this paper categorizes the major causes of change orders. It suggests a detailed classification standard for affecting factors resulting from change orders based on a case study result of an on-going construction project in the Middle East. In particular, this paper presents a method to apply a machine learning-based feature selection to quantify the importance of change order triggers and affecting factors. As a result, the case study identifies six major change order triggers and eight affecting factors. Also, a meaningful relationship between change order triggers and affecting factors by each category is presented.

[Abstract]

This paper will contribute to setting a clear guideline for change order management for the international plant construction field while helping prevent construction delays and cost run-ups by reducing the time required for change order resolution between project owners and contractors.

Publications in the KCI (Korea Citation Index) Journal 2

일반논문 「지역사회연구」제29권 1호 2021.03: 49~73
DOI <https://doi.org/10.31324/JRS.2021.03.29.1.49>

교통접근성이 인구증감에 미치는 영향요인 연구* - 비수도권 인구감소도시 중심으로 -

유동균^{**} · 박 준^{***} · 염춘호^{****}

Mr. Donggyun You (Sustainable Urban Development 7), Professor Joon Park, and Professor Chunho Yeom published an article entitled "A study on the Effect of Transportation Accessibility on Population Changes - Focused on Population Decrease Area in Non-capital Region -" through Journal of Regional Studies on March 2021.

[Abstract]

Natural and social factors are two main determinants of a nation's population. Korea's population is of no difference and will continue to change. The OECD and the National Statistical Office predict that the Korean population will decline after 2030. The population decline will negatively impact local governments and countries due to factors such as the decrease in regional attractiveness and the reduction of life-related services, and the collapse of local communities. As a result, South Korea is making efforts to increase its population and reconstruct infrastructure services. Despite these efforts, however, there is no sign that the population will grow.

[Abstract]

Many prior studies have cooperated with local governments to identify factors affecting population growth and laid the foundations for a national population plan in preparation for the population decline. These prior studies showed that capital and non-capital areas have different factors affecting population growth. Therefore, this study selected non-capital regions, which showed a more active population decline than capital areas. In order to analyze how traffic accessibility affects population growth, multiple regression analyses were conducted to present theoretical and policy implications.

The statistical results of this study show that improving access to railway stations has a positive effect on net mobility. Besides, the analysis was re-enacted by dividing it into public transportation and passenger cars, the main means of transportation in non-metropolitan areas. All appeared to have a positive effect on access to railway stations, indicating that improving access to railway stations is an important factor for population growth. This study implicates that access to railway stations needs to be noted when forming future population policies. Research suggests that access to railway stations should be induced through efforts such as public transportation-oriented urban development and the promotion of high-speed railway lines.

Academic Achievements to Share by Mr. Chisika and Prof. Yeom

The MGLEP Batch 3 graduated alumuni, Mr. Chisika N. Sylvester, shared his academic achievements with Prof. Chunho Yeom. From Prof. Yeom, he learned values of curiosity and objective inquiry, and he now become a true global citizen, a leader and influencer in analyzing and articulating policies in the realm of environmental sustainability.

Below are academic achievements in various papers.

1. Sylvester Ngome Chisika & Juneyoung Park & Chunho Yeom, 2019. "The Impact of Legislation on Sustainability of Farm Forests in Kenya: The Case of Lugari Sub-County in Kakamega County, Kenya," Sustainability, MDPI, Open Access Journal, vol. 12(1), pages 1-15, December.
2. Chisika, S.N. & Yeom, C. (2020). Enhancing equity in participatory forest management through forest management agreements: the case of Gathiuru and Karima forests in Kenya. International Forestry Review. 22. 49-63. 10.1505/146554820828671526.
3. Sylvester Ngome Chisika; Chunho Yeom Chunho Yeom, 2020. "The Key Factors Affecting Tree Producer Associations Involved in Private Commercial Forestry in Kenya. Sustainability (IF 2.592) Pub Date: 2020-05-14, DOI: 10.3390/su12104013.
4. Chisika, S. N., & Yeom, C. (2021). Enhancing Ecologically Sustainable Management of Deadwood in Kenya's Natural Forests. International Journal of Forestry Research, 2021.

UOS Campus in April



It is warm Spring!



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