



August, 2018

# Inha Global Messenger

## Newsletter of the International Graduate School



# STUDENT LIFE



One huge part of our lives is the student life here at Inha. And in my case, having spent some of it in Inha University is quite rewarding. Describing student life makes you look back on every good aspect of the University and have a little trip down the memory lane. First would be the scrumptious yet affordable restaurants around Inha University back gate. It gives a nice introduction to Korea's traditional and well-known food in a student-friendly price. Winter, spring, summer or fall, the scenic view of the trees and In-Kyung Pond renders the University very beautiful regardless of the season. . Students will surely have no issue finding the perfect



spots for photo opportunities within the campus. The renowned In-Kyung Pond, which gives off a relaxing vibe, can be enjoyed by someone alone during or after a student's day, or with a circle of friends while drinking their favorite drinks and seizing their day. It is has been and will always be a big part of every student's life at Inha University. During my stay at Inha, studying at Jungseok Memorial Library has also been helpful.. It offers a great atmosphere for learning and this is exactly a place that gave me the impression of how Inha University students study very hard and take their education seriously, most especially during examination period. During exam period, it may be a little challenging to reserve



a seat in the reading room but instead of giving up, it's just meant for you to get inspired, too, leap greater lengths and study harder. As an international student, there is no better way to immerse yourself in the Korean culture and the university life than learning it on-hand through the Korean buddy. Dining together while having conversations, going to noraebang, and a tour inside the campus would give you a glimpse of Korean culture so it is very exhilarating and helpful for the students. With the perfect weather matched with the good food, a picnic beside the Woo-nam aircraft is also a must-try experience.



Aside from the notable landmarks in the University, if I were to look back on the student life, from the most exciting late-night chimaek times to sleepless exam days there's always this one common thing that comes to my mind: friendship. Friendship with other students, friendship with the amazing professors and staff members, it's this precious bond that was built inside Inha University that makes every little thing about student life memorable. Now, when I think of Inha, I think of amity, a friendly community turned into family. A family, that created and shared so many memories together, has grown, growing and will continue to grow. And I feel so grateful to be a part of this family. Inha University has been a huge part of not only my student life but also my life, in general. As we walk off into new paths, may we never forget that we once shared a home, in Inha University.

By Lorraine Bellosillo

# LAB STORY



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Let's admit, we are in the age of Artificial Intelligence (AI) and I bet the smart phone you are holding right now in your hands has an AI voice assistant and an image analyzer in-built. Do you ever wonder how the heck your phone's photo album automatically groups the pictures of flowers distinguished from the pictures of your friend or maybe your cat? Let's ask a different question, in fact, one that is more futuristic- can you imagine yourself sitting inside a car that is being driven by itself? Umm... actually, I did imagine this and came up with an idea. I am Vijay Kakani from India and am currently doing my doctoral degree (Ph.D.) at the Computer Vision Laboratory (CV Lab) affiliated to the Department of Information and Communication Engineering here at Inha University. Well, so what is the big deal? You might ask. I only ask for a few minutes of your time to help you get the big deal in this.

The questions I asked in the first paragraph of this article, are considered to be the super hottest scenarios in the field of any AI. Namely; utilizing state-of-the-art machine/deep learning AI and computer vision to develop an ADAS (Autonomous Driving Assistant System), AI assisted biometrics and surveillance etc. Let's just forget about tech giants like Google, Microsoft and Facebook but for novices like us, machine/deep learning can be considered as "giving brains to machines/robots through training (like the way a 3 year old can be trained to do simple tasks), we make robots learn the same but in a fast and an efficient way)".

With this vision, we start each day at the Computer Vision Laboratory with the idea of developing procedures to enable computers to see and act on their own (computer vision), using various sensors, and then with this information, they can take decisions, that will enable them understand real-world scenarios. Thereby performing tasks like driving, automatic voice assistance, image recognition, high-end AI biometric validations etc.

Computer Vision Laboratory at Inha University has been into this for more than two decades.



Solving problems of all sorts, mostly industrial oriented ones. And thanks to our founder: Prof. Hale Kim, who integrated modern industrial oriented research projects into his lab prospectus, and dealing with diverse fields such as biometrics, video analytics, intelligent vehicle, robot vision, and self-driving cars etc., we have been able to engage in projects associated with companies such as Samsung, LG and government entities such as Korean Electronics Association (KEA), Electronics and Telecommunications Research Institute (ETRI) etc.

CV Lab itself is closely associated with a vision-based AI company named Visionin, established by Prof. Hale Kim nearly a decade ago. With these, a graduate can gain enough skills and experience that, by the time one graduates, one will be ready and well equipped to step into any of the fortune 500 AI based companies (Google, Apple, Facebook, Microsoft, Baidu etc.). I do not mean to exaggerate but a few of the greatest minds on this planet are working in AI-based laboratories and organizations. And since 2012 that number has been sky-rocketing. If you are one such minds looking for a place to sharpen your skills and turn yourself into a Computer vision AI researcher, then you know where to find us. Take a look at this site (<http://vision.inha.ac.kr>). You can find the contact details of Prof. Hale Kim and of course all of our lab mates.

Oh! Did I miss the fun part?? My lab. is made up of 12 smart people, 7 Ph.D. holders. 4 Master Students and one intern. It is an international group as we have students from India, Vietnam, and Chinese etc. Often, we go on lab outings for a dinner/lunch, and then annually, once or twice, partnered with some of the companies listed above, we organize industrial oriented workshops. Apart from these, every month or so, we interact with foreign professors/experts from USA, UK and Europe through organized talks and research sessions.

My journey at CV Lab has been quite a dramatic one. To start with, because we humans sometimes have no idea where we are headed in terms of our destinies, I was equally afflicted

with this issue of not knowing. Before I came to Inha University, I was reading for my master degree at the University of Limerick, Ireland. My research was “the use of a computer vision technique to track honey bees’ behavior of wiggling/dancing. Because, it has been found that the dancing patterns of bee can reveal the direction of food source/distance from beehive and chemicals associated with their surroundings which are the primary reason for the raise of honey bee extinction. I was conducting this experiment and then formulated a computer vision algorithm which has similarities with pedestrian detection algorithm formulated by Prof. Hale Kim at Computer Vision Lab, Inha University. So this was when I first contacted him for a quality discussion and request for reading-access to one of his papers on ResearchGate. I have included that paper as a primary reference for my master’s thesis.

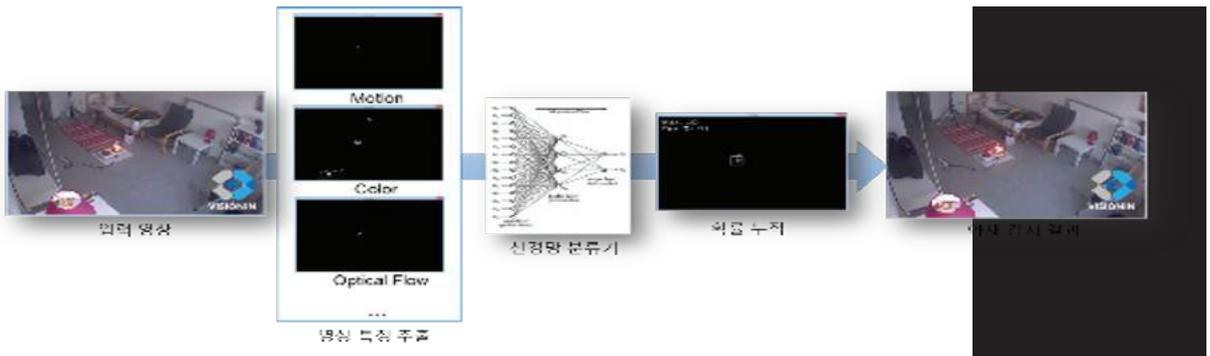


After I graduated from Ireland, I heard about the KGSP (Korean Government Scholarship Program) which could fund me to pursue my Ph.D. degree at any lab I like in South Korea. So without wasting time, I informed Prof. Hale Kim about my desire to be in His laboratory and to work with him. It’s been 3 years in this lab and I must say that, my life has been transformed from an amateur, wondering how a face detection or how space robot navigation works, to a trained researcher who can make his own face detector in less than half an hour and who is able to program self-navigational SLAM algorithm (just like the one they used in mars rovers and of course it took 7 months).

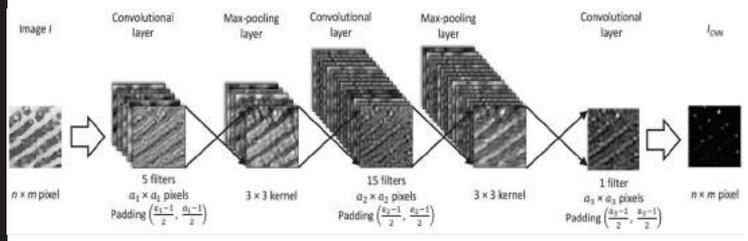
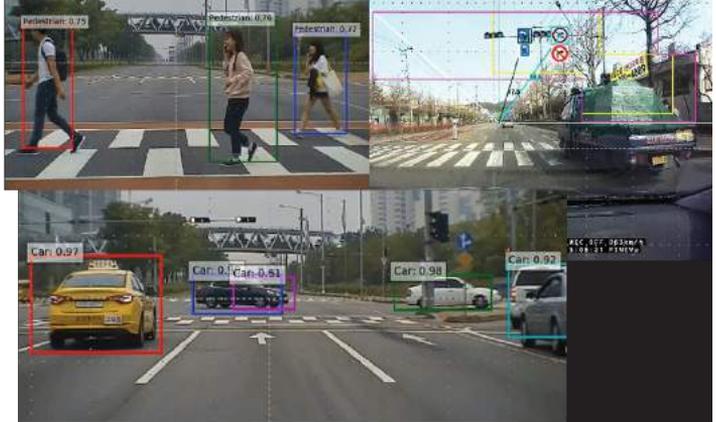


Apart from the projects and researches, we celebrate various occasions in the lab for instance birthday of lab mates/professor and days such as home-coming (this is so funny and interactive) because I had a chance to meet all the alumni of CV lab. They are leading scientists working at Samsung, LG and CEO of few AI based companies and government marine robotics engineers. This is usually fun and always gives me more insight into my future projects and prospective job.

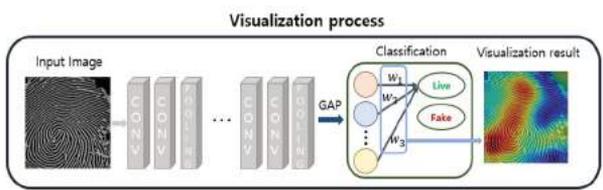
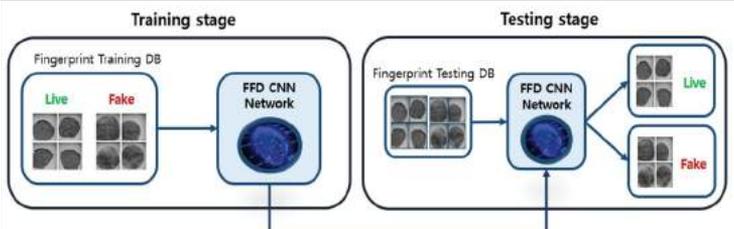




행성 추적 방법



As far as facilities are concerned, CV Lab has high-end GPU clusters, Virtual reality gadgets and autonomous driving vehicle platform (actually 2 cars with fully automated sensors such as LiDARs, Radars, stereo cameras etc.). Together with international research networks such as, Collaborating Industry and Research Institute, National Research Center, and Internal Research Infrastructure, CV Lab is involved in industry-academia research related to computer vision and artificial intelligence. Thus making CV Lab a great destination for global talents to pursue their dreams of pursuing industrial-oriented research.



# INHA FACILITIES

For International Students



## Student Union

The Student Union makes efforts to open fruitful graduate courses, to improve scholarship opportunities and welfare programs for international graduate students, and to assist research activities with the graduate school office.



## On-Campus Dormitory

State of the art building with complete facilities is available for international students.



## International Student's Health Insurance

Health insurance at reasonable price is especially available for international students.

## Graduate School and International Center

Both graduate school and international center offer their services to solve visa and residence related issues throughout the studies. Free transportation service is provided to pick international students from the airport at the beginning of every semester. In addition, graduate school makes a special appointment with immigration of Korea to resolve the registration card related issues of international students.



# On-Campus Medical Health Care Center

The health center aims to provide free of charge primary health care, first aid, counselling health problems and consultation to international students.



# Global Dragon Center for international students

Global Dragon Center provides international students with a variety of activities and social gathering.

# Prayer and Meditation Room

A special room is allocated for international students.



# Others

- Library with a range of services
- Student Lounge (Male and female)
- Free Shuttle buses to other cities of Korea and within Incheon city
- Student's Cafeteria
- Fitness Center, playing fields, tennis courts and basketball courts
- Annual complete health checkup
- Computer labs for research
- Clubs and societies
- Cultural activities for international students
- Korean language learning



# COMMUNITY STORY

our alumni to offer us any assistance, to help us adapt to our new environment, as well as create a networking system for further future cases.

Our members study and did research in various fields, including international relations, engineering, computer science, etc. Often, we have meetings where we interact and collaborate with each other. Life on Inha campus is amazing but I believe that most the memorable ones are the ones we have as Mongolians living on Inha Campus. Living and learning together, we share moments of discovery, challenge, adventure, and help motivate as well as elevate each other. From discussions in the campus to picnics in the park, these moments are the core of which deep, lasting relationships are formed.



Hi there! Allow me to introduce to you, the Mongolian student community in Inha University. This community has a pretty long history, in the sense that it was established in 1996 by who had the first Mongolian students started studying in Inha for undergraduate and graduate degrees. And since then the number of Mongolian students have greatly increased to currently 25 students pursuing further studies in the University of Inha.

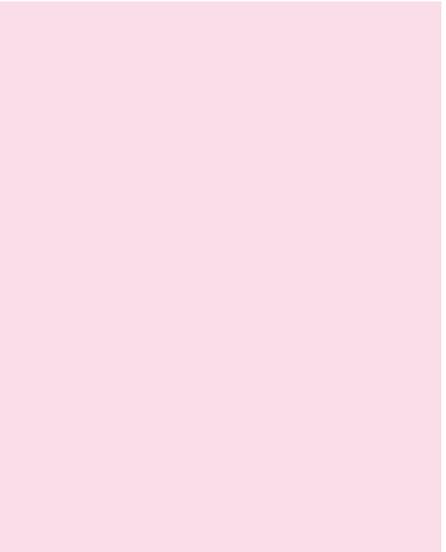
Our community is quite a special one. The community is such that, we the students are in a sort of a feedback-loop system which allows





Annually, we host gatherings of students and alumni, in the months of May and October. These events are the times that we toast to the achievements of members and bond as a broader community. Also, during Mongolian national holidays such as our Independence Day and Lunar New Year, we come together to mark and celebrate this as a community. There is a "21st century club" that focuses on networking between members, also organizes annual charity works and lectures for students. One of my most favorite things about this community is the fact that we learn from and support each other. Our regular gatherings involves sharing stories about personal journeys and perspectives and during these times, one is able to pick up great life lessons. For instance, each MT, former students and alumni of the community gets invited to tell their unique tales of hardship, failure, resilience, joy, and triumph. Most often including intimate details to broaden our exposure to different backgrounds and the richness of the human experience.

As we go along this journey with our colleagues, we share life challenges in Korea and achievements, learning new perspectives, and forming friendships that last a lifetime. These relationships are also the basis of a growing network of exceptional peers that proves to be a great benefit to each of us, long after our graduation.



# INHA EVENTS

“Walking along the Mt. Munhak with History”  
by Graduate School

Graduate school hold "Walking along the Mt. Munhak with History" on Saturday, November 11 to arouse students' interest for graduate school and to promote mutual friendship between the members.

Many Korean and foreign students from undergraduate and graduate schools joined the event. President Choe Sun-ja, ex-vice-president, Lee Hyun-woo, the Dean of Graduate School, Koo Yoon-mo, The Dean of External Affairs, Nam Chang-hee, Vice-dean of Graduate School as well as Yook Ji-ho participated this event and all of the participants have enjoyed cool fresh air of morning time and appreciated beautiful color of autumn leaves.

In particular, Nam Chang-hee – the Dean of External Affairs explained the history and cultural significance of Munhak Mt. and it was a meaningful time as the participants realized value of the old relics near Inha Univ.

Participants interacted with each other while enjoying lunch and snacks prepared by the general graduate school during the mountain walk. Most of all, the lottery of notebooks, iPads, etc. prepared by the graduate school attracted the attention of the participants and helped them to complete the pleasant walk.





# 2017 Field Trip for International Students

Inha Graduate School students participated in the 2017 Field Trip by visiting the National Guk-Ak Center and SEOUL SKY(Lotte Tower Observatory). International students from China, Vietnam, Mongolia, Bangladesh, Pakistan, India, Indonesia, Cambodia, Uzbekistan, Nepal, Nigeria, Egypt, Philippines, Iran, and Turkey participated in this field trip and were able to enhanced their understanding of history and art of Korea.

In National Guk-Ak Center, they learned Insa-guk, Hwimo-ri, Dongsal-puri which are the most popular playing skill of Jang-gu. At the last of class, they formed team of 4 people, presented what they learned in front of other students. In the afternoon, students visited SEOUL SKY which is currently the highest skyscraper (555m) in Korea, the 6th highest building in the world. It was valuable time to understand geographical features of Seoul and changes that took place in Seoul since Chosun dynasty.



# 10th Annual Korean Language Speech Contest

The 10th Inha University Korean Language Speech Contest for foreign students who are enrolled the 'Korean Language Course' at the Center for Continuing Education was held in the Grand Auditorium on February 2.

Nandin Erdene Erdenbayar from Mongolia received the top award, William Sherwood Moore from the US and 2 other students received excellence awards, and Souhaila Bendali from Morocco and 1 other student received participation awards.

The contest topic was 'Encounter', and cultural performances of Mongolian and Thai traditional dance as well as K-pop dances and songs were also held.

Students taking 'Korean Language Course' and students participating in the 10th Korean Language Speech Contest taking a commemorative photo.



# DISCOVERY COUNTRY



China is known as one of the four ancient and civilizational countries in the world. China's history goes as far back as 5,000 years with a very extensive and profound culture.

China has a land area of 9,634,057 square kilometers and 34 provincial administrative regions, including 23 provinces, 5 autonomous regions, 4 municipalities, and 2 special administrative regions. The country's population stands at about 1.3 billion, making China the most populated country in the world.

The Yellow River, which is the second longest river in China is known as China's mother river. The Chinese New Year is the most important holiday for Chinese families to get together. Peking Opera is a treasure of Chinese culture, and even included in the intangible cultural heritage.

Chinese people are very reserved and introverted, but always stand upon a ceremony. This is why China is called a state of ceremonies.

China's national treasure is the panda, which is considered an important representation of friendship in China's diplomatic activities.

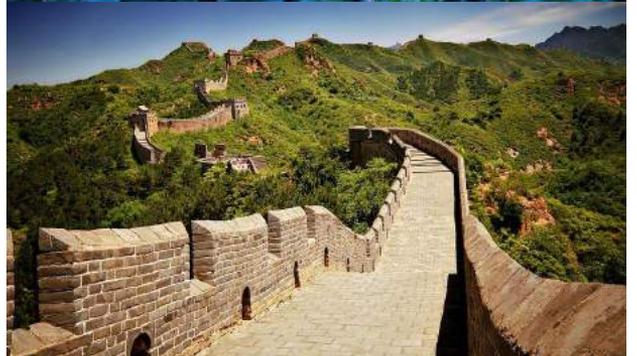
Chinese cuisine is divided into eight major cuisines, each of which has its own unique flavor. Chinese food is very famous for its good taste and nutrition.

China is blessed with beautiful scenery and landscapes. Every year, many foreigners come to china for sightseeing and to learn more about our rich culture.

Here, you can have a glimpse of our beautiful country.

Welcome to China!

By Wang Yuan



# INCHEON ATTRACTION

## Chinatown

Wondered where to spend the spare time school gives you? Fortunately, Inha University is well located near the diverse touristic attractions that take less than you imagine getting there! Of course, the most important city and country's capital, Seoul, is only 1hour away from us! But that is not the only fascinated place you can visit during your free time ^^

Located at Incheon Station exit 1, only 2 stations away from Inha University (Suin Line), Chinatown in a very popular destination for nationals and tourists. With its particular aspect of a real Chinese street, this place offers a diversity of places to eat and rest. Chinatown has been a popular place for K-pop and K-drama lovers, because this town has been location of several famous dramas. Also, the history behind this town is very unique. In the late 80s, it was designated as Ching Dynasty's territory, and nowadays most of its population is Chinese descendants.

In the center of the town, there is the Jayu Park, or Park of Freedom, where the statue of General McArthur, leader of the Incheon Amphibious Landing Operation during the Korean War, is placed. Also, a beautiful view of Incheon Port can be seen from the top of the mountain. Moreover, next to Chinatown, there is the Art Platform, where several cultural events are held on weekends; as well as Wolmido Theme Park, a popular amusement park at Wolmi Island, located only few minutes by bus from Incheon Station.

If you want to enjoy of a walk, delicious food, and beautiful views, at the same time you learn new cultural issues and picture memorable moments, Chinatown is a perfect option for you!

By: Jullianny Batres



# ALUMNI TALK



I am Anish Shrestha. I got my Master's Degree from Chosun University. In the spring of 2011, I started my Ph.D. in the UWB-ITRC Research Centre in the Information and Communication engineering department at Inha University after receiving Jungseok scholarship. I was conferred a Ph.D. degree in 2015 under the supervision of Prof. Kwak Kyung Sup.

I have also completed two Post Docs at Inha University under Prof. Kwak Kyung Sup support from March 2015 to February 2016 as well as Prof. Sang-Jo Yoo from March 2016 to December 2017.

Currently, I am working as Assistant Professor at Sejong University in the Computer Science and Engineering Department.

When I look back at my past days at Inha I feel nostalgic about the good memories. I had a nice time with Nepalese and foreign students at Inha University. I also served as Inha Student Ambassador in 2013 where I had a good time to organize events and helping the Nepalese community settle in Inha. It helped me to connect with different people and learn new perspectives and escape the cubicle of the lab. I would also like to thank Mr. Choensik Park who helped me numerous time to feel at home in Incheon.

I feel proud to have graduated from Inha University. Inha is highly reputed in the engineering field. The departments have good Professors and excellent research facilities. The graduate office staffs are really cooperative and I would like to thank Ms. Kim Ji-Hee. Lastly, I would like to thank Raunak Jung Pandey for sharing my story for Alumni talk.

By Raunak Jung Pandey

# AMBASSADOR TALK

It is the time to talk about the activities and responsibilities of a student ambassador. Basically, it is a type of voluntary work and even though it does not with too much pressure, during the semester an ambassador has a lot of responsibility in connecting potential applicants and Inha University. The main duties of a student ambassador are to deliver proper guidance to the upcoming students or their guardians. In doing this, ambassadors receive emails from prospective students, usually from their native countries and sometimes from other countries as well. As a student ambassador, I was selected from Bangladesh. I receive lots of e-mails from students of my country, and sometimes from India, and Pakistan too. The main query is about the University's admission process, online application confirmation, arrival of applicant's documents, scholarships, monthly stipend, accommodation, etc.

From 2010, about ten to fifteen international students get selected by the Inha University Graduate School, to work together as Inha Student ambassadors. With skills and their interpersonal relation skills, the student ambassadors are thriving to bridge the gap between and also connect their home countries and Inha University.

On this note, I would like to extend my gratitude to the various authorities who saw the potential in me and appointed me as a student ambassador, in September 2016. Since then, I have been working and getting involved in different student ambassadorial activities.

I have participated in the Inha cultural and food festivals usually held in the month of May every year. During this time, we exhibit fool and other artifacts that enable us the chance to introduce our countries to other



international students and also the Korean community as well. In turn, field trips are usually organized to help us learn about cultural heritage, history and beauty of Korea as well. Another important part of activities for ambassadors, is the publication of the International newsletter at the end of every semester. The variety of contents usually explains the activities, geographical location, and the quality of the Inha University life. Out of these official duties, I try to care and support current Bangladeshi students in the University, whenever it is necessary. Finally, ambassadors are to submit a report to our coordinator about what they did during each semester.

It has been a great opportunity for me to have gotten an opportunity to work so closely with the graduate school. I have learnt a lot and also gained new experiences.

For my final words, I would like to thank Mr. Deok-Hwan Cho and Mrs. Yejin Jeon for their kind support and sincere assistance throughout my period of being as an ambassador. Even though it is a voluntary work, it can be a great platform for learning about leadership. When you find yourself as a student in Inha, you should definitely try to be an ambassador. You would love the experience.

# AMBASSADOR PHOTOS

Students Ambassador who published "Inha Global Messenger(Issue12)" are graduate students from various countries. They represent their home countries in Inha and represent Inha in their home countries. They play key roles to promote Inha abroad and to enrich campus' international student society.

※ Site link : [http://gradeng.inha.ac.kr/entrance/ent\\_030401.aspx](http://gradeng.inha.ac.kr/entrance/ent_030401.aspx)



