Eurasian Higher Education Leaders Forum: the CAC session

The annual Eurasian Higher Education Leaders Forum (EHELF), one of the biggest events in the field of education in the Eurasian region, took place on June 10-12, 2015 at Nazarbayev University. The Forum brought together education experts and created a platform for dialogue to discuss the most recent and pressing issues in education.

In the framework of the EHELF, CAC held a panel session “Sharing Career and Advising Center’s experience.” The participation of a high school student, representatives of high schools and universities’ Career Centers made this session a unique platform for exchange of ideas and opinions. Yevgeniya Kim, the Director of Career and Advising Center, opened up the panel session by talking through the Career and Advising Center’s ongoing work, its current issues and perspectives.

Field Trips
CAC had organized a number of field trips for NU students to let them experience how their future job would look like and to allow them to dive into an atmosphere of certain organizations.

Things to Know: Majoring in Robotics
You have chosen Robotics major and curious about your job opportunities? Take a tour with CAC to explore your prospects and future.
FIELD TRIPS: KazMedia Center and Abu Dhabi Plaza

KazMedia Center

One of the directions of the CAC team’s work is to immerse students in an atmosphere of real working condition by organizing field trips.

Freshmen to junior year students of various specialties were on the set, where television projects of the national media industry are developed and transmitted. The students had a meeting with journalists of TV channels broadcasting from the KazMedia Center. They asked reporters tricky questions and got to know the inner kitchen of television.

The students were impressed by how much behind the screen work is put to develop a TV program and were fascinated to be on the other side of the TV screen.

Some students expressed a wish to meet with program developers, editors and producers. Nonetheless, no one remained indifferent to the view opened up from the 22nd floor of the Center.

Abu Dhabi Plaza

In cooperation with ASCE, CAC organized a field trip for the SEng students to the highest construction venue, Abu Dhabi Plaza.

It was an opportunity for the students to see in practice the application of knowledge they received throughout their studies.

“We study interesting courses in civil engineering, but sometimes I feel that I need to eyewitness the practical implications of what I am learning. This field trip was a great opportunity to see civil engineering from inside and how everything works in reality. I am very astonished by the complexity of my future profession. I also feel the responsibility that I have to study very well to do my job at highest level in the future.”

- Aigul Mussabayeva
2nd year student
Civil Engineering
Summer Internships 2015

For summer period our students spread all over Kazakhstan to implement the knowledge they obtained in practice during their internships.

Currently, the SEng students interested in telecommunications network are taking their internships at Eltex Alatau, Almaty. This promising telecommunications company set an ambitious and inspiring goal to stand among such companies as Huawei and Cisco. Therefore, they require their interns to be passionate, creative and flexible to learn alternative ways of doing things.

On the other part of Kazakhstan, Atyrau another group of NU students (with happy faces on the photo) are taking their internships at PSN-KazStroy. KazStroy has differentiated itself as a technology-driven engineering, procurement and construction company.

Professional Development Program

CAC in cooperation with SST and SEng organized a two-day training for the 4th year students.

The purpose of the training was to prepare graduating students for the realms of work place.

The training consisted of different tasks, games and assignments that served to help students to improve their team building, leadership and communication skills.

“These two days were full of impressions, emotions and new experiences. I can say with confidence that such events have a positive effect on students, especially the NU graduates and help in their further professional activity.

We touched upon the topics that were not covered during our five years of studying at the University. Besides, everything was fixed on the practice and we confirmed with our own experiences the theory of effective communication skills, conflict management and public speaking.”

– Ingkar Zhunisbekova, SST
Dina Vyortkina, the Head of Instructional Technologies, shared with the participants free technological tools that would enable them to lessen the workload. Based on the discussion, the participants of the session concluded that Career Centers lack financial and human resources as well as time restraints. Therefore, Dr. Vyortkina came up with the list of tools that could be useful not only for instructors, university staff but for students as well.

For example, Doodle is a tool that helps to plan meetings and shows the time that is the most convenient for all participants. Screencasting – a tool that can be used to explain how certain things should be done, such as instructions on how to fill out a blank or form. Screencasting can be used to organize online seminars and trainings. Diigo is another useful online platform that fulfill the role of professional online library, which enables a user to easily share, keep and update the information.

Sue Bennett, Director of Student Careers and Skills, University of Warwick concluded the session with the training on how to develop relationship with employers. It can be summarized that for a student to be compatible on the labor market, he or she should be not only an expert in respected fields but also possess soft skills and have curiosity.

Therefore, if you want to succeed in your chosen profession, love what you do and do it perfectly. Professional never stops acquiring new knowledge and improving own skills.

International Experience

**VISP: University of Wisconsin Madison**
Sixty students of SST and SHSS schools are currently at UW-Madison and they share their experience at Instagram with #nuwisc15. They come back on August 7 and we will take an interview upon their arrival.

**U.C. Berkeley Summer Session**
Twenty-nine SEng students are packed and prepared to take a trip to the East Coast, California. We will ask to share their experiences for the next generation of SEng students upon arrival.

**Summer School at University Pierre et Marie Curie**
Another Nine SEng students are ready for the departure toward Paris, France on June 21, 2015. This trip is fully funded Total E&P Summer Program.
Let me start on a positive note, according to International Federation of Robotics, “168 000 industrial robots were sold worldwide in 2013, which is 12% increase compared to 2012 year.” That means there is an increasing demand for specialists in the sphere of robotics.

There are prominent players on the robotics industry. For example, Universal Robots (UR) is the only manufacturer of lightweight robot arms. Gomtec developed a robot named Roberta that suits small to medium sized enterprises that want to be flexible and efficient. KUKA is the leader in collaborative robots and the only one that created a lightweight robot with a payload capacity of over 10 kg.

You may be well aware of this, but it is important in terms of employment to mention that robotics industry includes two types of robots: industrial and service. The automation and modernization of manufacturing processes depends on former. However, the share of latter is larger in the growth of robotics industry. The projection is that in the late 21st century robots will be known much for household use. In this sector an increasing demand for labor force could be expected.

Talking about the industry as a whole, according to roboticstomorrow.com six trends can be observed that would impact other industries – increasing ease of use, deployment, and maintenance; human-robot collaboration; new way of working with robots; improved robot “senses”; improved ROI; and training the robot employees of the future.

Kazakhstan is also trying to catch up with the world trend by developing its robotics industry. In 2015, for the production of underwater robotics at the Ural factory JSC "Research Institute "Gidropribor" a part of JSC "NC Kazakhstan Engineering" is planned to attract well-known French company “ECA Robotics.” Only recently the Association of Automation and Robotics (KAAR) was established, which will deal with the introduction of the most advanced design ideas and solutions. This work will be done in the spheres such as oil and gas and manufacturing sectors as well as in the energy and IT-technologies sectors. The Association will also be looking for “bright minds” and companies that could initiate, lead and implement breakthrough projects in business and the real economy.

Moreover, Kazakhstan is widening its cooperation in the sector of robotics. For example, the Croatian company “Dok-Ing” has expressed its readiness to share with Kazakhstan its developments in the field of mobile robotic systems for the army and police on the remote control, as well as for emergency rescues and fire fighting operations in high-risk conditions.

Therefore, there are bright and promising prospects for students majoring in robotics both globally and locally. However, you need to be prepared for obstacles on your way. But you should be aware of the fact that you are one of those few people who have a chance to write the History!

Aim to become an employer rather than to be an employee.

Courage and Imagination!
A Photo Report From the Professional Development Program
Summer Internship Statistics 2015

**SEng**

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**History/Anthropology, 3**

**Sociology, 8**

**Economics, 51**

**PSIR, 50**

**Robotics, Math, Physics, Chemistry, CS, Biology**

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ANNOUNCEMENT!

Dear Alumni (We can finally say this!),

Although you are leaving the walls of NU you will always be a part of the university! Stay connected with the NU community and let’s cooperate.

We invite you to create a LinkedIn page and connect with CAC by joining our group “NU Career and Advising Center.” For this, it is important that you indicate that you are a NU graduate, so that we can see it in your profile!

If you need assistance with employment, please send your resumes to gradresume@nu.edu.kz, indicating the email subject as your school and major, e.g.: SST-Robotics. Resumes should be in the Russian and English languages in pdf format titled with your name and surname, e.g.: Ainur Iskakova resume.

We are moving toward building professional, friendly and mutually beneficial relationships. We will be happy to invite you as a guest speaker to translate your experience to your junior fellows.

Keep in touch! We are here for you any time you need assistance.
Dear NU Graduates!
The day has come to reflect on the success of completing a five year Program at Nazarbayev University, persevering through one of the most challenging experiences of your lives and acknowledging your role in supporting the future leaders of tomorrow. NU Career and Advising Center is wishing all the best to you in defining your success. Please stay connected with CAC via LinkedIn (NU Career and Advising Center for NU graduates only) to know more about available vacancies,

All the best,
Yevgeniya Kim
Director of Career and Advising Center

#NUGrads2015: Stay Strong! Get up when you fall! Don’t leave your motherland! You are the one who must bring change into our society!

Best, Ainur

Hearty congratulations on your Graduation, and wishing you a very good luck for the new beginning in life. May you reach all your goals!

Sabina Mussayeva
Consultant

On the photo from left to right: Ainur, Liliya, Yevgeniya, Sabina, and Nurgul
In the next issue:

- News and Updates: CAC Career Net
- Internships
- Employment
- Professional Tips: What Your Online Profile Tells About You
- Things to Know: Majoring in Biology

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