

In the Name of God



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## IUT INTERNATIONAL NEWSLETTER

A window to international activities of IUT

In order to expand the university's international scientific interactions with overseas academic institutions, the IUT International is planning to publish an electronic Newsletter on international relations, in line with the IUT mission towards Green University.

The purpose of the publication is to inform esteemed professors, dear students and staff of the university about international events, educational and research opportunities available in international academic spaces that reach the office through various means, visits' news and conferences as well as regulations and bylaw instructions related to international affairs, which can affect the international scientific interactions of outstanding academics.

Your constructive participation in this path will guide us toward our goal.

IUT International NEWSLETTER is a periodic electronic newsletter to be distributed among the IUT faculty, students and staff.

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## A FRIENDLY GATHERING WITH A GROUP OF INTERNATIONAL STUDENTS @ IUT \_INTERNATIONAL



In order to learn more about foreign students at IUT and being informed of their problems and removing them, a meeting was held by the IUT – International representatives, an expert from the unit of foreign students’ affairs and a number of foreign students on January 22, 2020. The students talked about their problems and challenges they might have gotten and the cases raised by the student were referred to the relevant officials of the university to be solved.

IUT International also announced that, in near future, a memorandum of understanding will be signed with the Center of Teaching Persian to Non-Persian Speakers at the University of Isfahan for the benefit of the foreign students at IUT.

Founding diplomacy for science and technology through academic

collaboration, adjunct professors, and taking foreign students can bring about social, promo, cultural, economic and political capitals.

The unit working under surveillance of the vice-presidency for foreign students affairs conducts and fulfills the affairs such as following up issuance of academic visa, enrollment in MSRT system of foreign students, confirmation of documents, affairs related to facilities such as accommodation, food and insurance, collaboration in educational affairs (admissions, transportation, summer semesters, graduation affairs, etc.) and giving assistance in cultural activities such as holding educational workshops, cultural-recreational trips, cordial meetings with officials, etc.

Mrs. A. Badr, is responsible to take care of the international students’ affairs at IUT, and they may contact her in the working hours through the following phone number: +98 31 33912719. Also, information about IUT admission can be found at: <https://iscoweb.iut.ac.ir/en/content/foreign-students-0>



Mis.Atefe Badr  
expert for foreign students Affairs



IUT is currently the host of 127 foreign students from **Lebanon, Syria, Afghanistan, Iraq, Pakistan, Sudan, Zimbabwe, and Brazil**. These students include 29 females and 98 males who are studying in BSc, MSc, and PhD Degrees and different fields of Electrical & Computer engineering, Chemistry, Industrial Engineering, Mathematics, Civil Engineering, Physics, Agricultural Engineering, Mining Engineering, Mechanical Engineering, Natural Resources Engineering, Materials Engineering, Chemical Engineering, and Textile Engineering.



## ISC World Ranking in 2019 – IUT Sparkling



IUT became conspicuous in ISC Ranking in 2019. The presence of universities from the Islam World was salient, in ISC ranking, 2019, among which there were 43 Iranian Universities. In this ranking, IUT scintillates in the second place which is shared by Sharif University, Shahid Beheshti University of Medical Sciences, and Tarbiat Modares University.

Tehran University and Tehran University of Medical Sciences are ranked number one and succeeded by Isfahan University of Technology, Shahid Beheshti University of Medical Sciences, Sharif University of Technology, and Tarbiat Modares University, all in the second place.

There were 2005 universities from 99 countries and 6 continents in ISC World Ranking in 2019. As for the global ranking, the first to the third places were held by Harvard University, Stanford University, and MIT.

The universities and institutes of Johns Hopkins, Michigan, Colombia, Tsinghua (from China), California Institute of Technology, and Pennsylvania have attained the ranks

from 4 to 9 while Duke and Washington Universities jointly got to the 10<sup>th</sup> in the world.

## IUT & SUNUM signed a mutual MOU

A Memorandum of Understanding between Isfahan University of Technology (IUT)-Iran and Sabancı University Nanotechnology Research and Application Center (SUNUM)-Turkey has been signed.

Sabancı University Nanotechnology Research and Application Center (SUNUM) and the Isfahan University of Technology forming an essential part in the aspiration to extend international co-operation, hereby agree to further promotion of mutual co-operation in higher education and scientific research.

The following general forms of co-operation will be pursued within the fields that are mutually acceptable: Exchange of faculty members and research scholars; joint research activities such as joint research programs and projects; organizing joint symposia, workshops and conferences; exchange of scientific materials and information; joint academic graduate research programs.

Sabancı University is a young university established in 1999, and located on a 1.26 million m<sup>2</sup> campus which is about 40 km from Istanbul's city center. It's rank, based on THE ranking system, is 401-500 in the World and 48th among the top 100 universities under 50. SUNUM follows the unique example of Sabancı University for multi-disciplinary application oriented research with its "creating and developing together" strategy and "no departments, no walls" approach, complementing the research expertise of different internal units and external stakeholders.



## A visit from the National University of Malaysia



On 18<sup>th</sup> January, 2020, the Faculty of Materials Engineering was the host to four academic members from the National University of Malaysia from the Department of Mechanical and Materials Engineering. A brief introduction to IUT and the Faculty of Materials Engineering was given by Dr. Labbaf, the international coordinator of this faculty.

The Malaysian delegation were pleased with the facilities and research activities at IUT. In this meeting, Professor Sajuri, Head of Mechanical and Materials Engineering at National University of Malaysia, also presented an overview of the National University of Malaysia. During this meeting, they had fruitful and insightful discussions for future collaborations on joint research projects and student exchange programs in the mutual fields of interest.

## Holding Seminars:

During January 2020, IUT was honored to be the host of some seminars, presented by International scientists and researchers.



The Faculty of Electrical and Computer Engineering was the host for a Scientific seminar on the subject of "Efficient Compression Techniques and Hardware Implementation for High-Channel-Count Brain Neurochemical Recording" by **Dr. Hossein Zamani**, University of Case Western Reserve, USA on January 6<sup>th</sup>, 2020.



The Faculty of Transportation Engineering hosted a lecture on "Innovative Data Collection Methods for Urban Transportation Studies" by **Dr. Arsalan Faghri**, who is an Adjunct Faculty with George Mason University and a Senior District Land Use Specialist at Virginia Department of Transportation, USA, on Jan 7, 2020.



The Faculty of Transportation Engineering hosted a lecture on "Multi-objective Optimization of Coupling human and ecological networks for sustainable landscape and transport planning" by **Mr. Amin Khiali Miab**, who is a PhD student at ETH Zurich, Switzerland on Jan 8, 2020.

## Toward IUT Sustainable Campus

Prepared by: Mina Tajvari

Since 2015, IUT has performed extensive activities in the field of Green Management for several years and as a result, IUT has been appointed by MSRT as a leading Green University during the second International Conference on Green Management that was held in the University of Isfahan in May 2019.

**What does it mean when we talk about a Green University?** There may be many different definitions for a Green University. A simple and practical answer is the following definition from <https://www.greenofficemovement.org/>

*"A green university is an educational institution that meets its need for natural resources, such as energy, water, and materials, without compromising the ability of people in other countries as well as future generations to meet their own needs."*



In this regard, a green university should be a catalyst for sustainability by integrating it in all domains. Accordingly, IUT has decided to join **The International Sustainable Campus Network (ISCN)** in order to benefit from international experience and knowledge towards IUT Sustainable Campus. ISCN provides a global forum to support leading colleges, universities, and corporate campuses in the exchange of information, ideas, and best practices for achieving sustainable campus operations and integrating sustainability in research and teaching.

The ISCN is managed by the network's Secretariat, operated by SustainServ Inc., and its strategic development is guided by a Board including representatives of the seven schools who generously host the ISCN.

## An Interview with Dr. Mohammad Ghavami – An Alumnus of IUT

### Prof. Mohammad Ghavami

**Director of the Bioengineering Research Centre at the School of Engineering, London South Bank University of Engineering, London South Bank University**



*\*IUT 1977 – 1984; First IUT BEng graduate in Electrical Engineering*  
*\*IUT 1984 – 1986; First IUT MSc graduate in Communications Engineering*  
*\*University of Tehran (DAAD Germany partnership) 1988 – 1993: First PhD graduate of Iran in Electrical Engineering*



Professor Mohammad Ghavami is the director of the Bioengineering Research Centre at the School of Engineering, London South Bank University where he is currently the Principal Investigator (PI) for two Marie Curie EU grants related to UWB radar (H2020-MSCA-IF 793449, £180k, “WEBOING”, 2018-2020 and H2020-MSCA-RISE 872752, £150K, “ROVER”, 2020-2024). He was also the PI for an EPSRC grant related to UWB sensors (EP/K002473/1, £911k, “DANCER”, 2012-2017). Prior to LSBU, he was with the King’s College London from 2002 to 2010 where he secured several research grants including EPSRC (GR/T21771/01, £300k, UWB Channel Modelling) and NHS (MHF9401, £114k, Wireless Monitoring of Physiological Signals). He is the author of the books “Ultra-Wideband Signals and Systems”, and “Adaptive Antenna Systems”, both by Wiley, and has published over 180 technical papers in international journals and conferences on areas related to UWB, and medical applications. He holds three US patents and has received two invention awards from Sony. He has been the guest editor of MDPI, IET and IEICE Journals.

#### **Please tell us about yourself.**

I was among the first 700 student intakes of the former Aryamehr University of Technology, Esfahan Branch, which was replacing the Tehran Branch of the university in 1977. Due to this fact, several top ranking students selected IUT as their first choice in the university entrance competition examinations. Most of our teachers were young and newly graduated from top universities around the world. This period of studies has delivered the most impact on my educational and research career.

I spent two years working in Sony Advanced Telecommunications Laboratories in Tokyo which established a continuing research collaborations with several companies and universities that has led to many successful research funding and publications in the last twenty years.

#### **What are some strategies to strengthen the relationship between universities and industry?**

Probably the best way to enhance research collaborations with universities outside Iran would be short term visits, joint publications, joint PhD supervision and sabbaticals.

#### **What is your suggestion to launch a successful science and technology start-up?**

A successful start-up would need a good business plan, small innovative research funding in collaboration with a university or a big company, understanding the customer requirements, and an experienced advisory team.

Wish you all a very safe and successful academic life.

## Introducing IUT International New Team members:

We are pleased to announce that after more than 30 years of sincere collaboration and contribution at IUT, Mr. S. Sharafeddin, a former precious IUT International member, has been recently retired and his responsibilities have been taken by Mrs. Razavian, the new member of IUT international. Another honor for this center is important assignment of Dr. F. Alihosseini to the International Grants Office which is actively working on Tuesdays ; 2-4pm . Last but not least, we would like to introduce Mr. M. Bahreinian, our Projects Coordinator who has joined our team during the last few months. We are so proud to have such inspiring colleagues and wish them all the best on their amazing dedications.



**Dr. Farzane Alihosseini**  
Head of international Grants Office



**Mrs. Somayyeh Razavian**  
Officer for Scientific Missions



**Mr. Mohammad Reza Bahreinian**  
Project coordinator

## What is Erasmus+ Program

### Opportunities for Individuals



For nearly 30 years, the EU has funded the Erasmus program, which has enabled over three million European students to spend part of their studies at another higher education institution or with an organization in Europe. Erasmus+ brings such opportunities to all students, staff, trainees, teachers, volunteers and more. It's not just about Europe or Europeans either - with Erasmus+, people from all over the world can access opportunities.

**Students:** Studying abroad is a central part of Erasmus+ and has been shown to have a positive effect on later job prospects. It is also a chance to improve language skills, gain self-confidence and independence and immerse yourself in a new culture.

**Staff (teaching):** With Erasmus+, opportunities are available to spend time on teaching at an education institution abroad. These opportunities are available to both staff working in the education sector and to individuals working outside the sector invited to share their knowledge and experience.

**Staff (training):** With Erasmus+, training opportunities are available to staff working in education, both in teaching and non-teaching capacities. Training periods abroad can consist of job shadowing, observation periods or specific training courses abroad.

**Trainees:** Erasmus+ helps you gain valuable experience in the workplace by supporting traineeships abroad. Erasmus+ support for traineeships is available for higher education students and recent graduates, as well as vocational education and training students, apprentices and recent graduates.

**Young people:** Erasmus+ is open to all young people, not just those currently enrolled in education or training. With Erasmus+, you can volunteer across Europe and beyond or participate in a youth exchange abroad.

**Youth workers:** Erasmus+ supports the professional development of youth workers through training or networking periods abroad. Periods abroad can consist of training courses, study visits, job shadowing or observation periods at relevant organisations and more.

IUT International encourages all of IUT Professors to initiate at least one Erasmus+ plus program with European Universities and get benefit from this opportunity and also involve PhD students to get advantages of this program as part of their PhD studies.

During recent years, IUT initiated Joint agreements under Erasmus+ program with some universities in Germany (Univ. of Kassel, Univ. of Freiburg, Univ. of Passau), Spain (Univ. of Malaga), Belgium (Univ. of Ghent), Italy (Univ. of POLITO), but there are a lot more to explore.

Due to these partnerships, some of our academic members and also PhD students spend a period of time overseas to strengthen their skills in the fields of education and research.



*In the Memory of IUT Alumni whom we lost in tragic crash of flight PS752 on January 8, 2020.*



**O**ur souls are hardened of pain on the untimely loss of those who were our dearest colleagues. They will remain forever in our memory! And some words to their families:

**You can shed tears that he is gone / Or you can smile because he has lived**

**You can close your eyes and pray that he will come back / Or you can open your eyes and see all that he has left**

**Your heart can be empty because you can't see him / Or you can be full of the love that you shared**

**You can turn your back on tomorrow and live yesterday / Or you can be happy for tomorrow because of yesterday**

**You can remember him and only that he is gone / Or you can cherish his memory and let it live on**

**You can cry and close your mind, be empty and turn your back / Or you can do what he would want: smile, open your eyes, love and go on. (David Harkins)**



## 15 Qualities of A Great Team Member

**2. Committed to Mastery:** If you're content to let your skills stagnate, then you will never fulfill your potential as a team member in any organization. This is particularly crucial in the Information Age, where industries are changing rapidly and certain skill sets are becoming obsolete overnight. As Robert Greene, author of *Mastery*, states: "The time that leads to mastery is dependent on the intensity of our focus." Great team members make time in their weekly schedule for refining their talents and adding new ticks to their repertoires. When every member of the team is committed to personal growth, this not only creates an awesome working atmosphere, but it constantly brings new information into the organization which assists creative problem-solving.



**3. Intrinsically Motivated:** There is nothing wrong with doing a job for money, but if you're doing it only for money – then you'll never be a great team member. Anyone who has achieved a level of mastery at a skill appreciates the daily ritual of practice. This intrinsic motivation should fire you to turn up day in, day out, irrespective of the accolades. It's very difficult to be enthusiastic about something when extrinsic motivations like money, fame, and praise are all that you have.

**To be continued....**

**4. Reliable 5. Honest 6. Positive 7. Empathic 8. Good Communicator 9. Confident 10. Able to Multitask 11. Detailed Oriented 12. Autonomous 13. Adoptable, 14. Understanding the Industry 15. Persistent**

<https://biz30.timedoctor.com/team-member-qualities/>

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Your constructive comments and suggestions are most welcomed.

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