



IUT Beautiful Farewell to January 2022

IUT International E-Newsletter

A Window to International Activities of IUT

Volume 3, Issue No. 4

January 2022



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IUT International Students Center (ISC) is Moved to IUT International

As the Board of Governors of Isfahan University of Technology (IUT) approved, the Office for Foreign Students' Affairs is moved from the Vice-presidency for Students' Affairs to the IUT International Scientific Cooperation Center (ISCC) from January, 2022 and it is active under the title of “**International Students Center (ISC)**”.

This subdivision of ISCC is conducted by **Ms. Atefeh Badr**, the expert of ISC .

IUT welcomes international students with strong and diverse educational and research backgrounds from all over the world as it is currently hosting international students from Zimbabwe, Lebanon, Syria, Afghanistan, Pakistan, Iraq, and Yemen.

For further information on the admission process at IUT, please see <https://english.iut.ac.ir/how-to-apply>.



Ms. Atefeh Badr

A New Lease on Life of the International Grants Office

International Grants Office

According to the International Evolution Plan of the University and the tasks assigned to the International Scientific Cooperation Center of IUT, and to seize international research and educational opportunities, the International Grants Office reopens in early February 2022.

Prof. Dr. Seyed Jalal Zahabi, a faculty member of the university and the international cooperator for the ECE Department, will be the director of this office. The office works on finding and calling financial support in the fields such as education, research, and culture from international support institutions.

Prof. Dr. Vahid Salari, a faculty member at the Department of Physics, and **Prof. Dr. Farzaneh Alihosseini**, a faculty member at the Department of Textile Engineering, are the former directors of this office who made appreciable efforts during their office.

The major purposes of the International Grants Office are to identify and introduce international financial supports for the ideas and research of the faculty and university researchers; to develop scientific relations with international scientists and universities to attract international scientific grants, and to transfer advanced knowledge to the country. Obtaining these goals can also lead to the promotion of the international ranking of the university. Read more...



Prof. Dr. Seyed Jalal Zahabi

A Meeting with Two Eminent Scientists of IUT

IUT International hosted two distinguished Iranian physicists in elementary particle physics on January 26, 2022. **Prof. Dr. Abideh Jafari** and **Prof. Dr. Hamed Bakhshian**, two young scientists and faculty members of the Department of Physics of IUT, who are the key members of the CMS experiment at CERN collaboration project, had a cordial meeting with the director and some experts of IUT International. The cooperation of IUT with CMS experiment in CERN was discussed at this meeting, and plans were taken for a roadmap and future activities.



CERN is the world's largest laboratory complex for particle physics and nuclear physics, established in 1954 by the European Organization for Nuclear Research. Since then, numerous studies have been conducted by the world's top scientists (including 6 Nobel Prize winners). The center, whose main purpose is defined as "discovering the mysteries of the origin of the world", currently employs more than 3,000 physicists and engineers as resident staff in various theoretical and laboratory fields, and more than 6,500 scientists from 500 universities from 80 countries attend short-term visits, which shows the crucial and unique scientific cooperation of international scientists and researchers. After joining the Institute for Research in Fundamental Sciences (IPM) to CERN in 2001, our country cooperated, for the first time, with a mechanical project by producing a mechanical part of the experiment (CMS - Compact Muon Solenoid). IUT, as the top university in the country for international scientific activities, was accepted as the first Iranian university to become a member of the CMS experiment at CERN in September 2019.

IUT Webinars:

The Department of Civil Engineering of IUT held a webinar on "Application of FLOW-3D model in designing flood control channels in Las Vegas, USA" by **Dr. Mohammad Nazari**, a postdoctoral scholar at the University of Nevada Las Vegas (UNLV) on January 26, 2022. Dr. Nazari received his Ph.D, from UNLV, and his MSc from the Department of Civil Engineering, Isfahan University of Technology.


Prof. Dr. Mahdi Nasimifar, a faculty member of the IUT Civil Engineering Department, was the host of this event.



Prof. Dr. M. Nasimifar



Dr. M. Nazari

 Signing an MOU between IUT & Göttingen University



A memorandum of understanding for scientific cooperation was signed between **Isfahan University of Technology (IUT)** and the **University of Göttingen** in Germany to increase international scientific collaborations including exchange of professors, students, and staff of the two universities.

This memorandum is the result of the negotiations and efforts carried out in **the College of Agricultural Engineering** and was signed in January 2022 with a valid duration of five years. This agreement will be the prelude to cooperation in exchanging professors and students within the Erasmus+ Program of the European Union.

The representative for conducting this memorandum is **Prof. Dr. Ali Nikbakht**, a faculty member of the College of Agricultural Engineering.



Prof. Dr. A. Nikbakht

 International Vice-director of Afyon Kocatepe University of Turkey Visited IUT



The International Scientific Cooperation Center of IUT hosted the Vice-Director of the International Relations Office of **Afyon Kocatepe University**.

Prof. Dr. Fatih Güngör gave a presentation on features and facts of Afyon Kocatepe University in Turkey and also talked about programs and cooperation opportunities between the two universities. Then, he proposed the signing of an Erasmus+ Partnership Agreement between the two universities to start new collaborations and projects.

IUT International Director, **Prof. M. J. Omid**, also welcomed the expansion of cooperation between the two universities and stated that signing a memorandum of understanding between the two universities will pave the way for further scientific cooperation in various fields of education, research, and internship programs.



IUT International News:

IUN Meeting :



The ninth virtual symposium of Isfahan Universities Networks (IUN), the leading universities and Science and Technology Town of Isfahan for international cooperation, was held by international directors and experts of these institutes on January 18, 2022. The process for providing reports on the performance and activities of IUN as well as strategies for taking international students were discussed at the meeting and it went on by reviewing the admission process for international students, their presence, and the relevant challenges. At the end of the meeting, the strategies of cooperation to take international students, professors, and international opportunities were discussed and it was agreed to analyze and examine the potentials, capacities, common fields of cooperation, programs, and the roadmap for the future cooperation of the consortium members in a meeting with the new presidents of the member universities to pursue the IUN goals.



ISCC Meeting with the IUT Departments' International Cooperators



A meeting with the International Cooperators of IUT Departments was arranged by the International Scientific Cooperation Center (ISCC) of Isfahan University of Technology on January 29, 2022. In this meeting, the ISCC director reviewed some past international activities, and then, thanked the former International Cooperators for their efforts and also welcomed the new ones joining the international cooperators' group. **Prof. Mohammad Javad Omidi** also announced that the International Students' Center has recently been moved from the Vice-presidency for Students' Affairs to ISCC and talked about the regulations and procedures of taking international students.

The International Grants Office was the next subject of Prof. Omidi's talks. He thanked and appreciated **Prof. Dr. Vahid Salari** for his valuable efforts as the former head of this office and welcomed **Prof. Dr. Seyed Jalal Zahabi**, a faculty member of the ECE Department, as the new head of this office. The meeting also explored different types and regulations of sabbatical leaves for the IUT faculty members.

Compiling statistics of international activities of the IUT faculty, holding scientific webinars, and using national and international support to work with the Iranian scholars abroad were other topics of the meeting. There was also an exchange of ideas at the end of the meeting and some of the participants asked their questions.



Updated List of IUT Departments' Internationalization Coordinators:

According to the contents of the University's Evolution Plan and the defined goals, the Departments' Internationalization Coordinators are the representatives and executive arms of IUT international scientific cooperation. The following table is the updated list of these Coordinators:

 <p>Dept. of Textile Engineering Dr. Laleh Ghasemi Email: laleh.ghasemi@iut.ac.ir</p>	 <p>Dept. of Physics Dr. Soroush Shakeri Email: s.shakeri@iut.ac.ir</p>
 <p>Dept. of Materials Engineering Dr. Behzad Niroumand Email: behzn@iut.ac.ir</p>	 <p>Dept. of Natural Resources Dr. Omid Beyraghdar Kashkooli Email: omid.beyraghdar@iut.ac.ir</p>
 <p>Dept. of Mathematical Sciences Dr. Majid Salamat Email: msalamat@iut.ac.ir</p>	 <p>Dept. of Mechanical Engineering Dr. Peiman Mosaddegh Email : mosaddegh@iut.ac.ir</p>
 <p>Dept. of Chemical Engineering Dr. Hamidreza Shahverdi Email: hr_shahverdi@iut.ac.ir</p>	 <p>Dept. of Mining Engineering Dr. Saeid Mahdevari Email : smahdevari@iut.ac.ir</p>
 <p>Dept. of Chemistry Dr. Hossein Farrokhpour Email: h-farrokh@cc.iut.ac.ir</p>	 <p>Dept. of Civil Engineering Dr. Mahdi Nasimifar Email: nasimifar@iut.ac.ir</p>
 <p>Dept. of Transportation Engineering Dr. Alireza Sahebgharani Email: a_sahebgharani@iut.ac.ir</p>	 <p>Dept. of Industrial and Systems Engineering Dr. Mehdi Khashei Email: Khashei@iut.ac.ir</p>
 <p>Dept. of Electrical & Computer Engineering Dr. Jalal Zahabi Email: zahabi@iut.ac.ir</p>	 <p>Dept. of Electrical & Computer Engineering Dr. Mohammad Hossein Manshaei Email: manshaei@iut.ac.ir</p>
 <p>College of Agricultural Engineering Dr. Saeid Ansari Mahyari Email: s.ansari@cc.iut.ac.ir</p>	 <p>Golpayegan Faculty of Engineering Dr. Seyed Mahdi Rafiaei E-mail: rafiaei@gut.ac.ir</p>

IUT News on Industry and Technology:

Achieving a Modern Technical Knowledge of Coating Industrial Surfaces in IUT



A PhD student in Materials Engineering of Isfahan University of Technology obtained a product from a ceramic compound resistant to molten sulfur for the internal coating of molten sulfur storage tanks and concrete surfaces, which increases the lifespan of these tanks in the oil and petrochemical industries.

This research is conducted by **Ms. Arefeh Karimi**, an MSc graduate and PhD student in Materials and Metallurgy Engineering, under the supervision of **Prof. Dr. Ali Ashrafi**, an associate professor, and **Prof. Dr. Ahmad Monshi**, a professor at the Department of Materials Engineering. In addition to winning first place in the Khayyam National Festival of Inventions and Innovation, this research has also won a special award from the World Intellectual Property Organization (WIPA).

Besides innovation, the produced coating can be applied on various surfaces, including concrete and metal surfaces, and it increases the corrosion resistance against sulfur and its compounds at high temperatures. The leaks of the molten sulfur storage tanks and the amount of consumed steel for the protective layer are significantly reduced by using this new technological product. It increases the life of these tanks in petrochemical units and refineries, and maintenance costs, repair time, and downtime of these types of equipment will be reduced.

IUT is One of the Top 5 Universities Having Contracts with Industry

According to the Office for Society and Industry Relations at the Ministry of Science, Isfahan University of Technology is ranked fourth in the two main sections among the top universities and research institutes concerning concluding contracts with industry.

IUT is ranked fourth among the Iranian top universities and research institutes as for the ratio of the number of the ongoing contracts to the number of faculty members, and the ratio of the income from the contracts with society and industry to the number of faculty members in recent years.

The monitoring plan for the contracts with society and industry in 2021 shows that there are more than 8,700 ongoing contracts with society and industry. As a result, the number of the ongoing contracts of universities and educational centers in recent years has increased significantly.

The contracts in progress, the amount of annual income from industry, and the number of faculty members implementing in-progress contracts with society and industry relations are the most important indicators applied by the Ministry of Science in this ranking to measure the performance of universities and research Institutes.

IUT Awards & Honors:

An IUT PhD Student with 22 International Awards

Ehsan Marzban, a PhD student in manufacturing at Isfahan University of Technology, who is studying and researching in the field of additive manufacturing has been in the field of innovation and inventions since 2005, and in 2008 registered the first knowledge-based cooperative company, which operates in the field of design and manufacture of industrial, agricultural, and medical engineering machinery. And so far, he has patented several inventions and designed and produced several products. He has been also working as a university lecturer. We have an interview with Mr. Ehsan Marzban to learn about his international honors and activities:



- **Please tell us more about your honors and activities:**

In addition to education and skills training, I have had the honor of winning more than 20 national awards and positions, including top entrepreneur, National Skills Olympiad, Kharazmi Festival, National Elite Foundation, and the Alborz Cultural Foundation. So far, I have won 22 awards from world invention and startup festivals, including the American, Canadian, Romanian, Polish, Russian, South Korean, and Japanese Invention Festivals, as well as the Startup Festival of One Idea One World in Turkey. Following these activities, I have had the honor to work as a referee and mentor with national and international festivals, including the Khayyam International Festival, and the Nigerian Inventions Festival, and to hold several events and training courses.

- **In what fields were your inventions and do you have any plans to commercialize them?**

The inventions I have participated in at these festivals have been in the fields of mechanics, additive manufacturing, and medical engineering. I intend to commercialize some of them. With the cooperation of a group of scientific and skillful elites, I am launching a startup called Tousan Center for Designing and Building Innovative Ideas, which is supposed to work in the field of consultation to provide services such as generating ideas, designing them as well as prototyping and commercializing the same.

- **In line with the ongoing research items, how do you tie with IUT?**

According to my research field, additive manufacturing, I am going to launch an educational-service startup, which is in cooperation with the faculty and Additive Manufacturing Laboratory of Isfahan University of Technology. We are going to hold an international conference in this field next year.

Isfahan University of Technology thanks Mr. Marzban for this interview and is appreciable for these valuable investments and wishes them success.

Opportunities:

Unibo Action 1 & 2: Study Grants and Tuition Fee Waivers for International Students - a.y. 2022/23

According to the Italian embassy in Tehran, The University of Bologna offers international students who wish to register for First Cycle, Second Cycle, or Single Cycle Degree Programs at the University of Bologna for a.y. 2022/23:

- Study grants of €11,000 gross (Unibo Action 2);
- Tuition fee waivers (Unibo Action 1).

The study grants and the tuition fee waivers are assigned based on SAT and GRE, and some TOLC (*) tests, for one academic year.

Registration deadline: March 31, 2022. Read more...

Italian Government Scholarship 2022



Fully Funded Scholarship of Guangzhou Institute of Science and Technology in South Korea in 2022



The South Korean Guangzhou Institute of Science and Technology is offering scholarships to international students in the 2022 academic year. The university offers a variety of scholarships for master's and doctoral degrees. The duration of study for a master's degree is 2 years and for a doctoral one is 4.

The university is ranked 295th in the QS ranking system.

This scholarship is offered for master's, doctoral, and continuing doctoral degrees.

The deadline for applying to study in the spring semester is April 15, 2022.

In order to expand the university's international Scientific interactions with overseas academic institutions, the IUT International is publishing this electronic Newsletter on international relations and in line with the IUT mission towards a Green University.

You are invited to register your email here to receive the new issue of the Newsletter upon its publication. You can also correspond with the editorial board from here to convey your valuable comments and suggestions to send materials related to IUT to be published in future issues of the Newsletter.

To see the previous issues and more information on the newsletter, please click here.

In addition to being distributed via social networks, this Newsletter will also be available through the following QR code. Your constructive participation in this path will guide us toward our goals.



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Your constructive and valuable comments and suggestions are most welcome.

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