



IUT International E-Newsletter

A Window to International Activities of IUT

Volume 3, Issue No. 6

June 2022



What we read in this issue:

- IUT International News
- IUT News on Industry & Technology
- IUT Awards and Honors



Iftar Ceremony for International Students of IUT

To create a spirit of vivacity among international students and also to get them acquainted with the variety of customs and rituals of fasting in the countries where the Muslim students of IUT come from, the International Student Center (ISC) of IUT invited these students and their families to an Iftar Ceremony along with a food festival of nations on April 27, 2022 (Ramadan 27, 1443).



The ceremony was attended by the IUT President, Vice-presidents for Education, & Students Affairs, and the Director of the International Scientific Cooperation Center. **Prof. Mohammad Javad Omidi**, Director of the International Scientific Cooperation Center, stated that international students have a significant role at Isfahan University of Technology; accordingly, effective decisions and measures have been taken to facilitate their affairs and also take more international students. Measures such as holding research-based doctoral courses, facilitating some educational regulations, reducing tuition fees, and offering scholarships have been taken for international students.

In this ceremony, the international students of the university from Lebanon, Iraq, Afghanistan, Syria, and Yemen spoke about the customs of their countries during the month of Ramadan and also talked about the special foods of their countries they prepare and serve during this month. They welcomed each other at the table of the food festival they set during the ceremony.



Iftar Ceremony for International Students of IUT– Pictorial Report

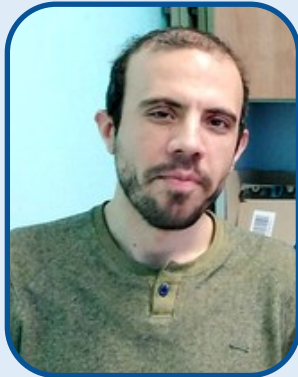


An Iranian Paper by an IUT Researcher Published in the High-ranked Journal of Additive Manufacturing



A PhD student in Materials Engineering, Isfahan University of Technology, published a paper entitled “Development of New Alloys by Additive Melting Method of Electron Beam” in the prestigious American Journal of Additive Manufacturing with an impact factor of 10,998. This journal is ranked first among 50 journals in the field of Engineering/Manufacturing.

This work is the first paper from IUT and the first Iranian paper on Electron Beam Melting (EBM) Technology published in this journal.



Mr. M.H. Mosallanejad



Prof. B. Niroumand



Prof. A. Saboori

The research is the outcome of international scientific cooperation between **Isfahan University of Technology** and the University of **Politecnico di Torino** promoted by **Mohammad Hossein Mosallanejad**, a Ph.D. student in Materials Engineering from IUT, and in collaboration with **Prof. Behzad Niroumand**, a professor from IUT Department of Materials, and **Prof. Abdollah Saboori**, an assistant professor at the Polytechnic University of Turin who is also a visiting professor at IUT.

This research, which is in line with the latest research on incremental fabrication (3D printing), is the result of fundamental research about the development of new titanium-based alloys.

Additive Manufacturing or 3D printing is a modern method for the production of industrial tools in the world, by which products are made in layers and from a computer model. IUT is one of the leading scientific centers in this emerging field in the country.

Link to the paper: <https://doi.org/10.1016/j.addma.2022.102878>

Winners of the Swiss Excellence Scholarship 2022-2023 - 4 New Winners of IUT out of 17 Iranian Scholars



Swiss Excellence Scholarship 2022-2023

IUT Winners!



Mojgan Zare Shahraki
Post-doc position



Pejman Fathi
Post-doc position



Nasim Nejadstani
Research Fellowship
position



Mehran Afrashi
Research Fellowship
position



The Winners of the Swiss Excellence Scholarship 2022-2023 are announced. According to this announcement, 17 new scholars from Iran this year as well as 6 academics who were able to prolong their scholarship another year. 4 new winners are from IUT out of 17 Iranian scholars.

Mojgan Zare Shahraki and **Pejman Fathi**, Ph.D. students studying Freshwater Ecology at the Department of Natural Resources Engineering, were among winners of this year Swiss Excellence Scholarship for Post-doc positions. This scholarship will be offered for one year at SUPSI University in Switzerland under the supervision of **Prof. Andreas Browder**.

Also, **Nasim Nejadstani**, a Ph.D. student in Electrical Engineering, and **Mehran Afrashi**, a Ph.D. student in Textile Engineering, won scholarships for the section of Research Fellowship position. These one-year research courses will be held at the University of Zurich under the supervision of **Prof. Burkhard Stiller**, and at the Swiss Laboratory for Membrane and Biomimicry Textiles under the supervision of **Prof. René Rossi**, respectively.

It should be noticed that the Swiss Excellence Scholarship is awarded by the Swiss Government annually to promote international and research cooperation between this country and 180 countries worldwide, including Iran.

IUT Webinars

Scientific Seminar on Innovation and Entrepreneurship

Isfahan University of Technology had its first series of scientific meetings online by holding a scientific seminar on "Innovation and Entrepreneurship" with an innovative entrepreneurship approach on May 19, 2022.



This event was attended by **Prof. Yahya Tabesh**, a prominent faculty member from Sharif University of Technology and holder of the Erdős International Medal in 2010; **Dr. Mohsen Hejrati**, a graduate of Sharif University of Technology & a Ph.D. in Computer Science, University of California, Irvine & Senior scientist in self-driving car projects at Google and also a senior scientist at Genentech Pharmaceutical Company; and **Dr. Behzad Tabibian**, a graduate of Iran University of Science and Technology & a Ph.D. in artificial intelligence from the Max Planck Institute (Germany) who is also the founder of the Rezonal startup in Germany and Silicon Valley.

Dr. Majid Salamat, the Secretary of the Conference at IUT, stated that according to the UNESCO declaration, to take basic sciences into account as the main basis for global development and progress, 2022 has been called the World Year of Basic Sciences and Sustainable Development. In this regard, Isfahan University of Technology intends to form a group called the Working Group for Basic Sciences Promotion consisting of a group of professors from the faculties of basic sciences (mathematical sciences, chemistry, and physics) and a group of professors from the engineering departments of IUT with an interdisciplinary approach. These lectures are held by prominent professors and experts in various fields of science and technology in both face-to-face and virtual forms on the last Wednesday of each month via <https://nikan.iut.ac.ir/mul-dis-sem/?proto=true>.

A Seminar at the Department of Chemistry

IUT Department of Chemistry organized a specialized seminar entitled "A Study on the Electron Structure of Solids by X-ray Spectroscopic Techniques" (June 1, 2022).

Prof. Ali Akbar Ghaffari, from the Department of Inorganic Chemistry in Fritz-Haber Institut der Max-Planck, presented a lecture at this seminar. This event was hosted by the Department of Chemistry of Isfahan University of Technology and by invitations from **Prof. Ali Asghar Ensafi** and **Prof. Mahmoud Tabrizchi** from the Department of Chemistry.



Prof. A. Ghaffari

Presentation of a New Mercury and Mercaptan Analyzer in Tehran Oil Exhibition



A new analytical instrument for measuring sulfur compounds and mercury element in natural gas, petrochemical, and refinery products was introduced by the TOF Tech Pars knowledge-based company at the **26th Iran International Oil, Gas, Refining & Petrochemical Exhibition**.

Prof. Mahmoud Tabrizchi, a faculty member of IUT Chemistry Department and the CEO of the Knowledge-based enterprise, TOF Tech Pars Co., during the 26th International Exhibition of Oil, Gas, Refining, and Petrochemical in Tehran, said that this device has been specifically developed for measuring sulfur compounds and mercury

elements in natural gas based on ion mobility spectroscopy. In this device, a Gold Trap was used to absorb and concentrate trace amounts of mercury vapor. In addition, UV ionization was used for selective analysis of sulfur compounds. This achievement, which is used in the oil, gas, refinery, and petrochemical industries, is the result of collaboration between the Research Institute of Petroleum Industry, Isfahan University of Technology, and Isfahan Science and Technology Town.

It is worth mentioning that Prof. Tabrizchi is one of the well-known professors of the Department of Chemistry at IUT and an Iranian delegate to **SESAME**, who has the construction of IMS and many other patents in his records.



Prof. M. Tabrizchi





IUT Awards and Honors

IUT Faculty Member as an Editor of the Prestigious Journal of Iranian Mathematical Society

The Executive Council of the Iranian Mathematical Society appointed **Prof. Majid Gazor**, a faculty member of IUT, as the editor of the journal of the Iranian Mathematical Society for three years (starting from 2022).

The journal of the Iranian Mathematical Society is the oldest mathematical journal in the country, and has been published in English since 1974. This magazine is currently published by Springer Publication. Prof. Gazor has previously been the Editor-in-Chief for the section of Differential Equations and Dynamic Systems for three years.

This journal has 35 editorial board members, 10 consulting editorial board members, and 30 affiliate editorial board members who are selected from prominent Iranian and international mathematicians.

Prof. Majid Gazor, a young associate professor at IUT Department of Mathematical Sciences, is a graduate of the University of Western Ontario in Canada. He also won the Abbas Riyazi Kermani Award (one of the awards of the Iranian Mathematical Society) in 1398.



Prof. M. Gazor

A Student and a Graduate of IUT Won Bronze Medals in the 44th Mathematics Competitions of Iran

Students from the IUT Department of Mathematical Sciences won two Bronze medals in the 44th national students' mathematics competition.

Mohammad Hossein Isfahanian, a student from the Department of Mathematical Sciences, won a bronze medal in the team section by gaining the rank of 23.

Amirreza Ghanizadeh Zarandi, **Mohadeseh Zohreh Nasab**, **Zahra Bahranifard**, and **Narges Niknam** are other members of the Mathematics IUT Team headed by **Prof. Dr. Sajjad Lakzian**, a faculty member from the Department of Mathematical Sciences.

The team participated in the 44th national students' mathematics competition hosted by Al-Zahra University.

Also, **Majed Hamadi**, a graduate of IUT, won a bronze medal in the individual section of this competition. It is worth mentioning that students' mathematics competitions are held every year by the management and supervision of the Iranian Mathematical Association among mainly undergraduate students of mathematics from universities across the country.



Mr. M.H. Isfahanian



Winners of the Sixth Environmental Award for University Students

The closing ceremony of the **Sixth Environmental Award** for students of the country's universities on the occasion of Earth Day was hosted by the Department of Natural Resources Engineering in Isfahan University of Technology (IUT) and attended by the head of Isfahan Environmental Organization and Vice-president for Research and Technology of IUT. In the event, 10 titles of student scientific achievements about the environment were appreciated and the meritorious position of the best dissertation was awarded to **Alireza Kavoei**, a student of IUT, researching "Processability, fabrication, and characterization of synthetic nanocomposite polymer papers made from recycled polymers and minerals".

The award for the best start-up ideas was presented to **Fereshteh Kiani Nejad**, a student of IUT, who is also active in the field of environment; **Aref Abedini** from the ACECR of IUT for presenting a study on "feasibility for the construction of a flare gas recovery unit at Isfahan Oil Refinery"; and **Mojgan Hosseini**, an IUT student, for presenting a study on "the application of the combined method of artificial wetland and zeolite-reinforced polyamide nanofiber membranes in the treatment of industrial effluents in a refinery".

IUT Vice-president for Research and Technology, **Prof. Hamidreza Safavi**, stated that it will be remarkable to hold the Environment Award for Students internationally next year. He also added: "Students' professional activities regarding the environment are valuable and we hope that the winners of this festival will be effective members of knowledge-based companies and resolve the problems of the industry with the support of Isfahan Science & Technology Town." [Read more...](#)



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 in line with the IUT mission toward 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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