



IUT was the host of ECO Science Foundation in October 2021

IUT International E-Newsletter

A Window to International Activities of IUT

Volume 3, Issue No. 1

October 2021



What we read in this issue:

- IUT International News & Activities
- IUT Awards and Honors
- IUT Upcoming Events & Opportunities



A Visit Paid By President of ECO Scientific Foundation to IUT

Isfahan University of Technology hosted **Professor Manzoor Soomro**, President of the Scientific Foundation of ECO Organization on October 19, 2021. In this meeting, which was organized by the College of Agricultural Engineering at Isfahan University of Technology and coordinated by the IUT International Scientific Cooperation Center, Professor Soomro visited the College of Agricultural Engineering and presented a scientific webinar. **Prof. Dr. Saeid Ansari Mahyari** was the organizer of this webinar. Dr. Soomro also had a meeting with the IUT President and Director of IUT International.



Dr. Manzoor Hossein Soomro is the Founder of the Scientific Foundation of the Specialized Agency for Economic Cooperation (ECO) since December 2011. He holds a gold medal from Sindh University of Agriculture, Tondujam-Pakistan, and a Quaid-Azam Presidential Scholarship for his PhD.

Dr. Sumero has more than 35 years of excellent professional experience as a researcher, director, leader, and teacher and has many titles and honors in his academic life.



Two Scholars of the Fourth Mustafa Award Visited Isfahan University of Technology

On the sidelines of the 4th Mustafa Award in Tehran, which was held by the Mustafa Foundation and the Vice Presidency for Science and Technology, Isfahan University of Technology hosted two outstanding guests at the event.

Prof. Mohd Ekhwan Toriman, the Vice-chancellor of National University of **Malaysia** (Universiti Kebangsaan Malaysia (UKM)), and **Dr. Riffat Naseem Malik**, a Professor at Quaid-i-Azam University, Islamabad, **Pakistan**, by the invitation of the Department of Natural Resources Engineering and in coordination with the IUT International Scientific Cooperation Center, attended the university and visited this department.



These two guests of the fourth Mostafa Award also met the IUT President and Director of the IUT International Center.

During this visit, **Prof. Dr. Mohsen Soleimani**, a faculty member of the IUT Department of Natural Resources, described the achievements and capabilities of this department, and Professor Toriman and Dr. Malik presented their scientific seminars about environmental hydrology and river modeling for students and professors. [Read more](#)



Signing MOUs:



A Cooperation Memorandum of Understanding (MOU) has been signed between the **University of L'Aquila (Italy)** and **Isfahan University of Technology** in October 2021. Based on this MOU, both parties desire to promote and develop cooperation in research and education, and establish and a double master's program in Mechanics of Structures and Fluid-Structure Interactions.

This connection has been initiated by **Prof. Mahmoud Kadkhodaei**, one of the IUT's honorable academic members and the former coordinator for internationalization for the Department of Mechanical Engineering. Prof. Kadkhodaei established a fruitful scientific collaboration with the Univ. of L'Aquila five years ago for joint research and student mobility as an entrepreneurship program. This collaboration led us to have a general MOU between the two parties in 2019.

New Collaboration between the College of Agricultural Engineering and Lethbridge College



Following the Memorandum of Understanding concluded with IUT and The **Board of Governors of Lethbridge College (Canada)** in February 2020, the master's theses of six students majoring in irrigation and drainage were defined on this project. The four students who worked on the project from the beginning will receive funding from Lethbridge College for a three-month research course.

Ms. Marziyeh Avazpour, Ms. Mojgan Dalvand, Ms. Fatemeh Faramarziyan, and Mr. Mohammad Moomkesh (MSc students in Irrigation and Drainage) received full financial support for their research course at Lethbridge College.

The subjects of the master's theses of **Ms. Niloufar Lavi** and **Mr. Mohammad Reza Kharazi** are also defined in this plan, and negotiations are underway to create study opportunities for the third year.

According to this MOU and the joint research project, those actions done by IUT include: the topics of the theses of four master students majoring in irrigation and drainage were defined to review the objectives of the joint research project.

Two years of fieldwork were spent in Lavark Educational and Research Farm of the College of Agricultural Engineering in 2019 and 2020. Also, laboratory measurements were performed and all the required data were collected. After completing the field and laboratory works, the students under the supervision of the project management team performed statistical analysis of the data and interesting and unique results. Last year, the students could not seize this opportunity due to the COVID_19 pandemic; however, they will visit Lethbridge College after being double-jabbed.

It should be noticed the key University faculties for signing this MOU from IUT are **Prof. Dr. Mahdi Gheysari** and **Prof. Dr. Hamid Reza Eshghizadeh**.





The Department of Physics at IUT is Organizing ICRANet-Isfahan Astronomy Conference Online from November 3 to November 5, 2021.

32 prominent speakers from around the world are invited to this conference, among whom are **Roy Patrick Kerr** (discoverer of the solution to the rotating black holes); **Shing-Tang Yao** (winner of the Mathematical Fields Medal in 1982); **Remo Ruffini** (President of ICRANet); **Yusef Sobouti** (Founder of Zanjan University of Basic Sciences); **Habib Khosroshahi** (Head of the Iranian National Observatory) and many other eminent scholars.

This conference is inaugurated with the honorary support of the Minister of Science, Research and Technology of the Islamic Republic of Iran, **Dr. Zolfi Gol**, and with a message from him.

There is also a workshop on "Data Science and Machine Learning in Relative Astrophysics".

For more information on the list of speakers and the schedule, please visit the conference on:

<https://indico.icranet.org/event/2/>



The 49th Canadian Operator Symposium organized by Field Institute, was held Virtually from May 31– June 4 2021.

In this symposium **Prof. Dr. Mahmoud Manjegani**, a faculty member of Mathematical Sciences of IUT, presented a speech entitled: "Norm and Singular Value Inequalities for measurable Operators".

In this event, **Ms. Shirin Moein**, an IUT PhD alumna and a post-doc researcher at the University of Mount Allison (Canada), in collaboration with Dr. Manjegani, presented a lecture on "Semi doubly Stochastic operators on $L_1(X)$ and its quantum application".

The Fields Institute is a center for mathematical research activity - a place where mathematicians from Canada and abroad, from academia, business, industry, and financial institutions, can come together to carry out research and formulate problems of mutual interests. The Fields Institute promotes mathematical activity in Canada and helps to expand the application of mathematics in modern society. For further information about the institute please visit: <http://www.fields.utoronto.ca>



Ms. Moein

Dr. Manjegani

IUT Awards and Honors:

A Brilliant Record for IUT

22 Faculty Members are among the Top 2% of Scientists Worldwide in 2021



According to a ranking published in October 2021 in PLOS Elsevier magazine, announced as the world's top 2% scientists by Stanford University, 1701 Iranian scientists have found a place, representing various disciplines. Among them, **22** scientists from IUT have been listed as the most-cited scientists in Basic Sciences, Engineering, and Natural Resources.

This extensive database created by experts at Stanford University is also based on data from Scopus that ranks journals and gives a citation index. This database includes the top 2 percent of scientists of the world from different fields on the basis of standardized citation indicators. These include information on the number of citations, H-Index, co-authorship, and a composite indicator. The results were published in PloS Biology recently, and they have been classified into 22 scientific fields and 176 sub-fields in the report. The Top 2% of Scientists from IUT are:

Prof. Ali Asghar Ensafi, Prof. Mahmoud Tabrizchi, Prof. Dr. Behzad Rezaei, Prof. Dr. Mohammad Seraji, Prof. Dr. Shadpour Malekpour, Prof. Dr. Abdolreza Hajipour, Prof. Dr. Mohamad Mohsen Mo'meni and Prof. Dr. Fatemeh Davar from the Department of Chemistry **Prof. Dr. Keykhosrow Karimi** from the Department of Chemical Engineering, **Prof. Dr. Reza Modares** from the Department of Natural Resources Engineering; **Prof. Dr. Mohammad Hossein Enayati, Prof. Dr. Fakhreddin Ashrafizadeh, Prof. Dr. Mohammad Hossein Fathi, Prof. Dr. Mohammad Reza Toroghinejad, Prof. Dr. Ahmad Kermanpur, Prof. Dr. Abbas Najafizadeh, Prof. Dr. Fathallah Karimzadeh** from the Department of Materials Engineering; **Prof. Dr. Ahmad Sohankar and Prof. Dr. Mohammad Reza Salimpour** from the Department of Mechanical Engineering, **Prof. Dr. Hossein Farzanehfard and Prof. Dr. Ehsan Adib** from the Department of Electrical and Computer Engineering and **Prof. Dr. Davood Mostofinejad** from Department of Civil Engineering. Read more

IUT Awards and Honors

IUT Remarkable Position in the Ranking by Subject of the Islamic World Citation Database (ISC) 2020

Isfahan University of Technology has achieved: **First place** in **Physics and Astronomy** (score range of 451-500); **Second place** in **Natural Sciences** (score range of 601-700); **Third place** in agricultural sciences (score range of 251-300); **Fourth place** in the field of agriculture, forestry, and fisheries, (score of 232); and the **third place** in other fields of agricultural sciences (including agricultural engineering, agricultural economics, and policy, food science, and technology) with the score of 178 are the other top ranks achieved by IUT. In other fields of engineering and technology including multidisciplinary engineering, industrial engineering, production engineering, food science and technology, Instruments & instrumentation, microscopy, imaging science and photography technology, spectroscopy, IUT is given **second place** with the score range of 301-350. In the field of chemistry, IUT is in the range of 451-500; in earth and environmental sciences it is 501-600; in civil engineering, it is 251-300; 451-500 in electrical and electronic engineering; 237 in mechanical engineering; 214 in chemical engineering; 351-400 in materials engineering; and 301-350 in environmental engineering. Read more



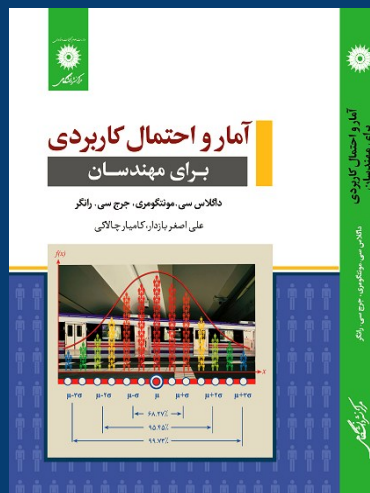
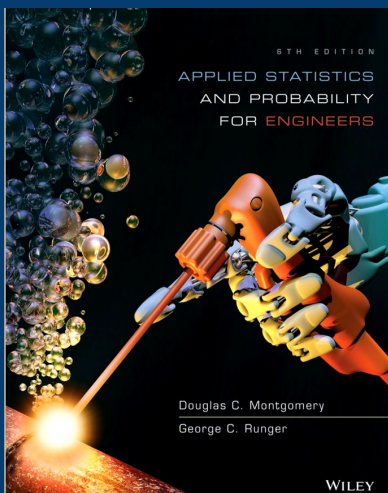
Book Translation by a Faculty Member from Golpayegan College of Engineering Branch

The translation of the book **Statistics and Applied Probability for Engineers** by **Dr. Montgomery**, one of the greats of statistics and industry, was done by **Prof. Dr. Aliasghar Bazdar** (Industrial Engineering Group Manager, Golpayegan College of Engineering Branch, Isfahan University of Technology) and his colleague **Prof. Dr. Kamyar Chalaki** after 6 years of unremitting efforts and has now been published in prestigious academic publications.

The book **Statistics and Applied Probability for Engineers** is one of the best and most complete reference books in universities and educational institutions, especially in the fields of industry and services, which has stated the basic topics of statistics with practical examples. This book has been



Prof. Dr. A. Bazdar



compiled to be used in universities and educational institutions, organizations, companies and factories, and any other educational and practical environment that requires practical use of this knowledge.

The main focus of this reference book is on the implementation of the principles and theories of statistics and probability in the real-world environment, so it will be very useful for activists in the industrial and service sectors.

Upcoming Events & Opportunities:

Autumn School and Workshop on Combinatorial Optimization

The Department of Mathematical Sciences of IUT will hold the joint international Autumn School on Combinatorial Optimization of the group of five top Iranian Universities of Technology (UT5) from 30 November to 2 December 2021.

Department of Mathematical Sciences, Isfahan University of Technology
Institute of System Analysis and Computer Science, "Antonio Ruberti" (IASI), CNR
IUT International Scientific Cooperation Center (ISCC)
Institute for Research in Fundamental Sciences (IPM)

<https://english.iut.ac.ir/scopt2021>
https://t.me/MathSci_Dept_iut
IUT_International
isfahan university of technology
031 33912600

Autumn School and Workshop on
Combinatorial Optimization

November 30-December 2, 2021 Iran - Italy

SCO²PT

For Registration and further information please visit: <https://english.iut.ac.ir/scopt2021>

Call for the UNESCO 2022 Young Scientist Award on Man and the Biosphere (MAB)




UNESCO announces the call for the Young Scientist Award on Man and the Biosphere (MAB) to encourage young scientists in developing countries to conduct research on biosphere reserves, as well as to exchange information and experiences among the next generation of scientists.

The projects must be completed for a maximum of two years. The award is worth about \$ 5,000 and applicants should keep in mind that by 2025, MAB will be in line with the Lima Action Plan and its strategy to achieve sustainable development goals. It should also be specified how the project relates to Lima research activities and sustainable development goals.

Applicants should submit their completed form and resume to the Science Group of the National Commission for UNESCO - Iran at science@irunesco.org before December 31, 2021. Read more

Opportunities:

Call for MEIG Program- University of Geneva



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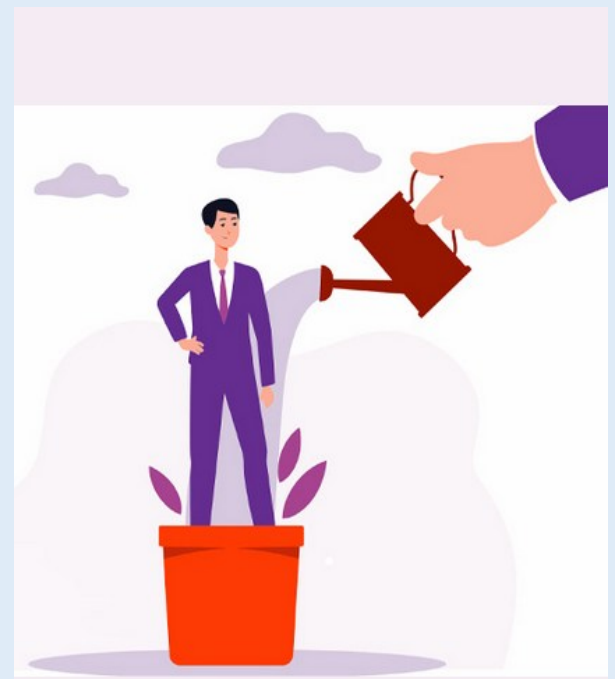
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For further information please visit:

<https://fellowtechies.com>



 Geneva University runs a 10-month program called "*MASTER OF ADVANCED STUDIES IN EUROPEAN AND INTERNATIONAL GOVERNANCE*".

The program is run in Geneva from **September** to **June**. Geneva University has been able to secure a number of scholarships from a local sponsor.

These scholarships cover mainly the tuition fees. Geneva University may also be able to arrange for partial scholarships towards living expenses during the program.


For the program starting in September 2022, there are some grants available for Iranian as well as for Afghan students.

Candidates have to send their applications until 15 November 2021, 31 December 2021 (second deadline) or 15 February 2022 (last deadline).

For further information and registration please visit: <https://international.iut.ac.ir/en/node/1150>

Opportunities:

Call for the Earth Prize

 **The Earth Prize**, a global \$200,000 environmental sustainability competition initiated by the Earth Foundation in **Switzerland** for students between the ages of 13 to 19, will reward the teams whose projects have the most potential to address environmental issues.

Through The Earth Prize, students are challenged, mentored, and inspired to effect real change by designing their own environmental sustainability projects, products, organizations or enterprises. Read more

1

Registration phase

1st Sept. 2021 - 30th Nov. 2021

Students and teachers are required to register individually for The Earth Prize using the online platform. This will give them access to bespoke learning materials, mentoring by university students and instructions on how to start working on their idea.

2

Submissions Phase

1st Dec. 2021 - 31st Jan. 2022

Teams will start working on their ideas with the guidance of The Earth Prize Mentors. They will then submit their Fresh Idea describing their chosen solution, which could be a new idea with implementation potential or an already

3

The Earth Prize Scholars Announcement

7th Feb. 2022 - 13th Feb. 2022

Fresh Ideas which reach outstanding standards will be recognized with The Earth Prize Scholars distinction and a special certificate. The Earth Prize Adjudicating Panel will select the top 10 teams from the pool of Scholars who will then be invited to the Finalist Phase.

4

Finalists Phase

14th Feb. 2022- 11th Mar. 2022

In the Finalists Phase, the top 10 teams will continue to have the support of The Earth Prize Mentors and an assigned Earth Prize Ambassador to complete their Final Idea. Each team will present their idea to the Adjudicating Panel, which will then review all Final Ideas and select The Earth Prize Winner and Runners-up.

5

The Earth Prize Ceremony

End of March, 2022

The winning team will receive a prize of \$100,000, to be split in half between the team and their school. Three runner-up schools will be awarded \$25,000. The Earth Prize will also recognize a Mentor and an Educator, who will each receive \$12,500.

6

The Earth Prize Educator of the Year

End of March, 2022

Following the legacy of WEEC's original Earth Prize, first awarded in 2017, Professor Mario Salomone will recognize a teacher who has made an outstanding contribution to education during the competition with The Earth Prize Educator of the Year award and a \$12,500 cash prize.

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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