

Happy Teachers Appreciation Week 2021

Isfahan University of Technology

First week of MAY 2021

11–17 Ordibehesht, Iranian Calendar



IUT International E-Newsletter

A Window to International Activities of IUT

Volume 2, Issue No. 7

May 2021



What we read in this issue:

- IUT International News
- IUT Awards and Honors
- An Overview on IUT International Activities: Faculty Internationalization Coordinators
- Opportunities
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The 18th Conference of MSRT on the Universities' International Arena

◆ The 18th Conference of Vice-presidents and Directors of International Centers of Universities and Research Institutes, as well as that of Science and Technology Parks of the country was virtually held on May 9, 2021, hosted by the Iranian Ministry of Science, Research and Technology (MSRT). In this meeting, **Prof. Dr. Hossein Salar Amoli**, the Vice-president of the International Scientific Cooperation Center in MSRT emphasized the internationalization of universities as a platform to raise the level of standards and increase the tolerance capacity within the international arena.



Dr. H. Salar Amoli

He emphasized that short-term programs such as the number of international students and the number of sabbatical leaves for international applicants are of particular importance.

In this regard, two main topics should be in focus: First, we should ponder over institutionalization and move towards long-term activities with international institutions. And second, a deeper look at the relationships between Iran and China should be taken because this country has been very successful in different areas such as extensive investment in basic sciences, prominence in different fields such as artificial intelligence, and capability in outstanding equipment and materials in the world. Therefore, cooperation with China is an opportunity that our scientific community should not neglect. Having a dynamic connection with international offices and institutes via leading houses was another topic that was raised and discussed. This meeting was attended by **Prof. Mohammad Javad Omid**, Acting President for International Affairs and Technology Infrastructures, and **Prof. Dr. Sima Fakheran**, Director of the IUT International Scientific Cooperation Center. Read more...

IUT International Virtual Meeting with the Departments' Internationalization Coordinators



The third virtual meeting of the internationalization coordinators of the IUT Departments was held on May 8, 2021. After welcoming the new members of the working group, a short report was given by the IUT International on the activities carried out in the University at the international level, and the departments with outstanding international activities were properly appreciated.

The session was proceeded by a discussion on the perspectives of the departments' international activities.

Then, **Prof. Dr. Mahmoud Kadkhodaei** and **Prof. Dr. Soroush Shakeri**, gave reports on the international activities of the Departments of Mechanical Engineering and Physics, respectively.



Prof. M. Kadkhodaei



Dr. S. Shakeri

The First Joint Workshop on Heat and Fluids in Mechanics between Iran and South Korea

Hosted by **Pusan University of South Korea** and with the participation of faculty members of IUT, the first joint scientific workshop on heat and fluids between Iran and South Korea was held in May 2021.



This scientific workshop covered a wide range of topics on heat and fluids in mechanical engineering and was attended by 5 Iranian professors from Isfahan University of Technology, Sharif University of Technology, and Ferdowsi University of Mashhad as well as more than 50 graduate students. The event aimed at developing cooperation and scientific exchanges between Iranian and South Korean universities.

Prof. Dr. Mehdi Nili Ahmadabadi, and **Prof. Dr. Mohammad Reza Tavakolinejad**, two faculty members of the Department of Mechanical Engineering at IUT, gave seminars and had joint research activities during their visit to the Pusan University of South Korea. They also offered short courses as visiting professors at this university. It should be mentioned that the second period of this workshop will be held in the spring of 2022, hosted by one of the Iranian universities, hopefully, IUT.



Dr. M. Tavakolinejad



Dr.M. Nili Ahmadabadi

IUT International News:

IUT First Working Group for Cooperation with China



To achieve the goals of the IUT Strategic Transformation Plan on internationalization, working groups establishment with target countries such as **Germany, China, Italy, South Korea, Malaysia, or Turkey** was put on the agenda of IUT international.

In this regard, the first working group for joint scientific cooperation with China was initiated with the membership of experienced faculty members with a history of cooperation with this country, and **Prof. Dr. Alireza Fadaei Tehrani** was introduced as the director of this working group. The other members of this working group so far are **Prof. Dr. Sima Fakhran, Prof. Mohammad Javad Omid, Prof. Ali Asghar Ensafi, Prof. Dr. Mahmoud Tabrizchi** and **Prof. Dr. Ismail Mehryar**.

This working group aims at determining and exploring the opportunities for the vision and roadmap in cooperation with China.



Dr. A. Fadaei Tehrani

IUT International and a Meeting with the Female Faculty Members

The International Scientific Cooperation Center (ISCC) held a virtual meeting with the female faculty members of IUT on May 26, 2021. This meeting, that is one of the series of meetings of this kind, was organized by **Prof. Dr. Behnaz Omoomi**, the Advisor to the IUT President on Female and Family Affairs, and a faculty member of the Department of Mathematics. In this meeting, the experts at IUT International talked about the scope of the center's activities and pointed to the existing international opportunities in various fields of science, especially opportunities for women. IUT International experts also answered the questions that the female faculty members had about international relations.



Prof. B. Omoomi

13% of IUT faculty members are female and involved in teaching and research activities in various fields of engineering, basic sciences, agriculture, natural resources, and English language at IUT. They have an outstanding role in the scientific achievements of the university both nationally and internationally.



Prof. Dr. Fakheran, the Director of IUT International, introduced the Women in Science Without Borders (WISWB) Forum. WISWB is an initiative and network of scientists from over 40 countries. Its mission is to integrate women and men equally in scientific collaborations of merit regardless of gender. This initiative was mainly founded to help achieve sustainable development goals, particularly gender equality. WISWB is a community-based initiative to develop societies through science.

More information is available on WISWB LinkedIn: <https://www.linkedin.com/in/women-in-science-wiswb-050113212/> . for further inquiries please contact: wiswb2019@gmail.com

Holding Webinars and Meetings:

Physics Department of IUT:



International Astronomy Week is a public annual event that intends to inform students and the general audience about Astronomy and Astrophysics, and to provide an active atmosphere for public scientific discussions about astronomy between professionals, scholars, and students to interact and exchange new ideas in this field. This event was organized by ICRANet-Isfahan and the Department of Physics at IUT on May 11-22, 2021, as a virtual meeting. In this meeting, several scientists from **Germany** and **IRAN** have been brought together to discuss different topics in astronomy. This meeting was held on May 11 at 16:30 (IRST) with an interesting talk given by **Prof. Dr. Behnam Javanmardi** from the University of Bonn, Germany, about “Cosmological Inconsistencies and Hubble Constant”.

The session was followed up by an extensive discussion by **Prof. Dr. Javad Taghizadeh Firouzjahi** from K.N. Toosi University of Technology, Tehran, about “The Mystery of Black Holes” and the recent Nobel prize in physics. On the second day of the meeting, **Prof. Dr. Sedighe Sajadian** from the Department of Physics at IUT, Isfahan, talked about different methods of detecting extrasolar planets and the possibility of having a life beyond our solar system. At the end, **Prof. Dr. Mahdi Kord Zangeneh** from the Shahid Chamran University of Ahvaz presented an extensive overview on “cosmology and the recent achievements in astrophysics”, and he had an interactive discussion with students about various types of the ongoing research in this field.



Dr. S. Sajadian

IUT Department of Transportation Engineering:

MONDAY
MAY 10TH
11:30-12:30 (IRST)
9:00-10:00 (NL)

WEBINAR
IMPACTS OF THE BUILT ENVIRONMENT
AND TRAVEL BEHAVIOR ON ATTITUDES

Venue link: https://nikan.iut.ac.ir/transp_seminar/?proto=true

Speaker
Professor Bert van Wee
Transport and Logistics Group,
Faculty of Technology, Policy and
Management, Delft University of
Technology

Host
Alireza Sahebgharani
Department of Transportation
Engineering, Isfahan
University of Technology

A webinar on “Impacts of the Built Environment and Gravel Behavior on Attitudes” was held by the Department of Transportation Engineering at IUT, on May 10, 2021.

Prof. Bert Van Wee, from the Faculty of Technology, Policy, and Management, Delft University of Technology, Netherlands, was the speaker of this webinar.

Prof. Dr. Alireza Sahebgharani, a faculty member of IUT from the Transportation Engineering Department and the internationalization coordinator of this Department, was the host and the organizer of this event.

IUT Awards and Honors:

Welcome to the IUT New Adjunct Professor

In May 2021, **Prof. Dr. Akram Zamani**, Associate Professor of the Faculty of Textiles, Engineering and Business at **the University of Borås, Sweden**, joined IUT as an adjunct professor. She has been appointed to the Faculty of Textile Engineering to collaborate with **Prof. Dr. Laleh Ghasemi** as her host professor. Every Adjunct Professor collaborates with IUT for a specified period in a specific area of research or education, and their name could be listed among the IUT faculty members as an Adjunct Professor. The cooperation between the adjunct professors and IUT is applicable during any period of the academic year or holiday. Cooperation in IUT research projects and further joint research work with other universities, co-supervising graduate students for their theses and dissertations, presenting research and educational seminars and workshops, offering IUT specialty and required courses, assistance in upgrading IUT global ranking, assistance in resolving the existing research difficulties of IUT by applying research data, facilities and equipment existing out of Iran are some examples of the possible collaboration areas.



A Cotutelle Ph.D. Agreement between IUT and the University of Groningen



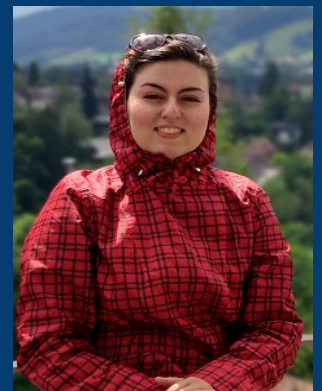
A dual Ph.D. program was established between Isfahan University of Technology and the University of Groningen (Rijksuniversiteit Groningen), the **Netherlands**, in the framework of a Cotutelle Program.

According to this contract, **Ms. Nahid Torabi**, a doctoral candidate at the Department of Materials Engineering, is to receive two Ph.D. Degrees, one from each university. Ms. Torabi previously spent part of her Ph.D. research program at the University of Groningen for her sabbatical leave.

The University of Groningen is a research university with a global outlook, deeply rooted in Groningen, City of Talent. Quality has had top priority for four hundred years, and this university is currently in or around the top 100 on several influential ranking lists.

According to her supervisors' agreement at both universities, made by **Prof. Dr. Ryan Chiechi** from UG and **Prof. Dr. Ahmad Kermanpur**, and **Prof. Dr. Ali Ashrafi** (the co-supervisor) from the Department of Materials Engineering, from IUT, a dual degree Ph.D. program was offered to Ms. Torabi by both universities under a Cotutelle Program.

A Cotutelle program refers to an agreement on joint supervision between two universities at a doctoral level. It allows students to get a double Ph.D. degree delivered individually by each institution.



Ms. Nahid Torabi

IUT Awards and Honors:

Isfahan University of Technology is the Second Top University in Iran in the Round University Ranking of Russia

According to RUR in 2021, Isfahan University of Technology is the second top university in Iran with a global ranking of 216 among 867 leading universities in the world, and 12 universities in Iran, in this ranking system.

In this report, IUT is ranked 195 in education, 182 in research, 665 in global diversity, and 188 in financial sustainability.

RUR was established in Moscow in 2013, which evaluates more than 800 institutions of higher education based on 20 indicators and annually reveals the rankings of the world's top universities.



Isfahan University of Technology as the Top Technological University in Iran



According to the latest ranking of public universities under the supervision of the Ministry of Science in 2019-2020, which is revealed by the Islamic World Science Citation Center (ISC), Isfahan University of Technology has taken first place in the fields of social services, infrastructures and facilities among the Iranian technological universities.

There were 25 technological universities in this ranking, and IUT is among the top 5 technological universities and 15 top universities in Iran. According to this report, IUT is ranked first among the technological universities with a full score of 100. In the section for technology and innovation, with a score of 86.4, and the section for research, with a score of 90.6, IUT is placed in the fourth place, while in the education section, with a score of 89.4, it is in the fifth place among the top 5 universities in Iran. Read more...

Faculty Internationalization Coordinators: Based on the contents of the University's strategic development plan and the defined goals, the Faculties' Internationalization Coordinators are the representatives and executive arms of IUT International at the IUT Departments. The following table is the updated list of IUT Faculties' Internationalization Coordinators:

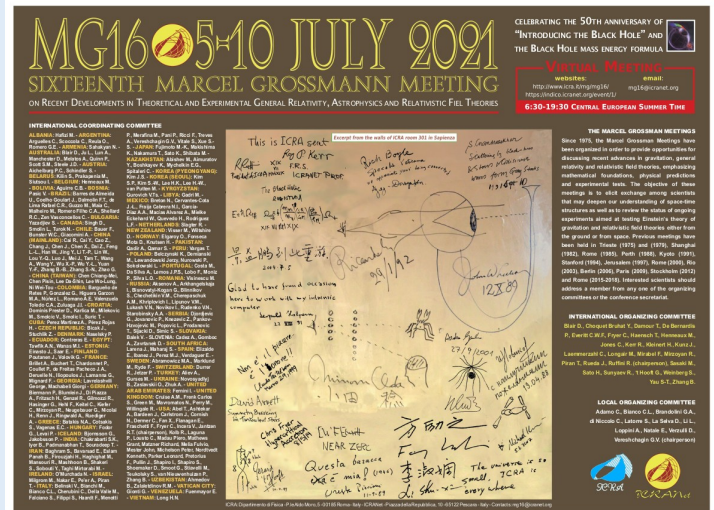
 <p>Dept. of Textile Engineering Dr. Laleh Ghasemi Email: laleh.ghasemi@cc.iut.ac.ir</p>	 <p>Dept. of Physics Dr. Soroush Shakeri Email: s.shakeri@iut.ac.ir</p>
 <p>Dept. of Materials Engineering Dr. Sheyda Labbaf Email: s.labbaf@cc.iut.ac.ir</p>	 <p>Dept. of Natural Resources Dr. Omid Beyraghdar Kashkooli Email: omid.beyraghdar@cc.iut.ac.ir</p>
 <p>Dept. of Mathematical Sciences Dr. Majid Salamat Email: msalamat@cc.iut.ac.ir</p>	 <p>Dept. of Mechanical Engineering Dr. Mahmoud Kadkhodaei Email : kadkhodaei@cc.iut.ac.ir</p>
 <p>Dept. of Chemical Engineering Dr. Hamidreza Shahverdi Email: hr_shahverdi@cc.iut.ac.ir</p>	 <p>Dept. of Mining Engineering Dr. Saeid Mahdevari Email : smahdevari@cc.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. Milad Aminzadeh Email: m.aminzadeh@cc.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@cc.iut.ac.ir</p>
 <p>Dept. of Electrical & Computer Engineering Dr. Jalal Zahabi Email: zahabi@cc.iut.ac.ir</p>	 <p>Dept. of Electrical & Computer Engineering Dr. Mohammad Hossein Manshaei Email: manshaei@cc.iut.ac.ir</p>
 <p>College of Agricultural Engineering Dr. Saeid Ansari Mahyari Email: s.ansari@cc.iut.ac.ir</p>	 <p>IUT Faculty Internationalization Coordinators 2021</p>

Opportunities:

The 16th Marcel Grossmann Meeting on General Relativity (MG16)

The Sixteenth Marcel Grossmann Meeting on General Relativity (MG16) will take place virtually from Monday, July 5 to Friday, July 9, 2021. It will be organized by ICRA (Rome, Italy), ICRANet (Pescara, Italy) and the associated ICRANet Centers, including Yerevan, Armenia; Minsk, Belarus; Rio de Janeiro, Brazil; USTC, China; **Isfahan, Iran**; Stanford University, and the University of Arizona, USA.

The Marcel Grossmann Meetings have been organized to provide opportunities for discussing recent advances in gravitation, general relativity, and relativistic field theories, emphasizing mathematical foundations, physical predictions, and experimental tests. The MG meeting is one of the largest international conferences on gravity, and the related subjects the was started in 1975 with the first meeting at the International Centre for Theoretical Physics (ICTP) in Trieste (Italy) where **Remo Ruffini** (the Director of ICRANet) organized it with the Nobel Prize winner **Abdus Salam**. **Isfahan University of Technology (IUT)**, as the leading Iranian institution in tight connection with ICRANet, ITALY, has an effective contribution in organizing MG16 for the first time. There is a parallel session in the meeting entitled “Dark Matter Searches with Liquid Xenon and Argon Detectors” organized by **Dr. Soroush Shakeri** from the Department of Physics of IUT. So far, the number of 736 participants reached MG16, and the international coordinating committee includes many scientists from more than 68 countries. The information of the meeting includes plenary sessions and public lectures, and the registration is available at <http://www.icra.it/mg16>.



The image shows the MG16 logo and program details. The logo features the text "MG16 05-10 JULY 2021" and "SIXTEENTH MARCEL GROSSMANN MEETING ON RECENT DEVELOPMENTS IN THEORETICAL AND EXPERIMENTAL GENERAL RELATIVITY, ASTROPHYSICS AND RELATIVISTIC FIELD THEORIES". Below the logo is a list of international coordinating committee members. To the right, there is a section titled "CELEBRATING THE 50TH ANNIVERSARY OF 'INTRODUCING THE BLACK HOLE' AND THE BLACK HOLE MASS ENERGY FORMULA" with a "Virtual Meeting" link. Below that is a section titled "THE MARCEL GROSSMANN MEETINGS" with a paragraph of text. At the bottom right, there is a section titled "INTERNATIONAL ORGANIZING COMMITTEE" with a list of names and affiliations. The central part of the image is a collage of handwritten notes and diagrams, including a diagram of a black hole and a list of names.

SRSF 2022 Joint Call Announcement and the Joint Call of INSF & NSFC



Iran National Science Foundation (INSF) and the Chinese Academy of Sciences (CAS) have announced their 6th round of joint calls to support collaborative research projects and workshops. In its sixth year, proposals applied jointly by researchers from Iran and the Chinese Academy of Sciences (CAS) will be supported along with the SRSF framework. The proposals have to be in the scientific fields of Renewable Energies and Biological Engineering. Iranian researchers can register their joint research proposals in [Iran National Science Foundation Research Management System](#) until June 19th, 2021. Read more...

Also, the first joint call of INSF & NSFC in three scientific fields of life sciences, materials sciences, and mathematics is announced. According to this call, a maximum of 15 joint research projects will be supported. In this regard, Iranian researchers can register their joint proposals in INSF system until July 9th, 2021. Read more...

Opportunities:

Following the Memorandum of Understanding between the 5 top Iranian Universities of Technology in the country (UT5), the first international summer school on "Fine Scale Processes in Health and Energy Applications" hosted by Sharif University of Technology in collaboration with the Physics Department of Isfahan University of Technology will be held on 19-21 June 2021, at Sharif University of Technology. **Prof. Dr. Mehdi Ranjbar** from IUT Department of Physics is one of the scientific committee members of this event.

Participation in this program is free of charge, but registration is required.

Deadline of registration: 17 June 2021

For further information and registration please visit:
<https://international.iut.ac.ir/en/node/1041>

**1st International School on
Fine-scale Processes in Health and
Energy Applications**
19-21 June 2021, Sharif University of Technology, Tehran, Iran

Main Topics:
photo/electro catalysts
PEC water splitting
CO₂ reduction
Energy storage
Bio/chemical sensors
Solar cells

Email:
fine-scale@sharif.edu

Tel:
+98 (21) 6616-4565
+98 (21) 66166232

Scientific Committee

The school is online and the language is English
Attendance is free but online registration is required

Vclass Link: vc.sharif.edu/ch/fine-scale
Web Page: ia.sharif.ir/fine-scale-he/

Call for a Postdoctoral Fellowship



In collaboration with **COMSATS University** of Islamabad, **The World Academy of Sciences (TWAS)** is holding postdoctoral research programs for young researchers in developing countries.

These programs are held for young researchers in developing countries in the fields of **life sciences, pharmacy, chemical sciences, environment, technical and engineering sciences, physics, mathematics, management sciences, economic and social sciences, and international relations** that are hosted by COMSATS University.

The researchers participating in this program will receive a monthly salary, and the host provides all costs related to accommodation, food, and health insurance for the researcher. It should be noted that there is no age limitation to participate in this program.

Deadline: before August 31, 2021.

Further information is available on: <https://international.iut.ac.ir/en/node/1021>

Introduction on International Organizations- Economic Cooperation Organization (ECO)



Economic Cooperation Organization (ECO) is an intergovernmental regional organization encompassing countries from Europe, Caucasus and Central Asia, Middle East and South Asia with more than 460 million inhabitants and over 8 million square kilometers connecting Russia to the Persian Gulf and China to Europe. The overall objective of the Organization is the sustainable economic development of its Member States and the Region as a whole.

Established as Regional Cooperation for Development (RCD) in 1964 by Iran, Pakistan, and Turkey, the Organization was rechristened as “ECO” in 1985.

Over the past three decades or so, the ECO Member States have been collaborating to accelerate the pace of regional development through their common endeavors. Besides the shared cultural and historic affinities, they have been able to use the existing infrastructural and business links to further fortify their resolve to transfer their hopes and aspirations into a tangible reality.

In March 2017, Heads of States/Government of the Member States in their 13th Summit in Islamabad endorsed “ECO Vision 2025”, where the main directions of the ECO in the years to come are drawn.

The 14th ECO Summit was convened virtually on March 4, 2021, under the theme of ‘Regional Economic Cooperation in the aftermath of COVID-19’. The Heads of States/Government of the Member States recommended various significant initiatives aimed at pushing the process of development in the region in the aftermath of COVID-19.

Objectives:

- Improving the conditions for sustainable economic development and increasing the standard of living and welfare of the people.
- Expand intra-regional and supra-regional trade and remove trade barriers.
- Efforts to integrate trade between the countries of the region and world trade and promote economic, social, cultural, technical and scientific cooperation.
- Development of transportation and communication infrastructure.
- Development of convergence of public and private sectors with an emphasis on economic liberalization.
- Development of a joint program for the development of human resources and exploitation of natural resources.

ECO Secretariat:

The headquarters of the organization is in Tehran. The Secretariat is responsible for coordinating and overseeing the implementation of ECO activities and assisting in holding meetings. The Secretariat consists of the Secretary General, Deputies, Managers, and Staff. The Council of Ministers shall select from among the candidates selected by the States Parties a non-renewable term of three years. The Secretary General is the highest executive officer of the organization.

For further information please visit: <http://www.eco.int>



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 welcomed.

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