



National Conference of Medical History in Islam

Deputy of Culture and Student Affairs of the Islamic Azad University is holding the National Conference of Medical History in Islam, Khordad 5-6. This conference is to be held in Mashhad branch. In this conference, which is concerned with the history of Medical Sciences in the Islamic world, the country's important figures of the field will be introduced. Dr. Seyed Taha Hashemi, IAU's deputy of Culture and Student Affairs, talked about the history of Medical Sciences in Iran and said: "Iran has a brilliant history in this field. Many believe that Greeks achievements in the field of medical sciences have roots in that of Iran. That is why our brilliant and proud history should be, firstly, introduced to our own students, and next in the entire world." Secretariat to the conference's Science Committee went on: "The Supreme Leader has complained: 'Our youngsters know the worldly figures of sports and arts better than the figures of our own country.' Therefore, IAU as the largest university of the country has decided to introduce our important figures on four levels of local, provincial, national, and international."



IAU Received Ministry's License to Admit Assistant Doctors

Dr. Seyed Ali Abtahi, deputy of Medical Sciences of the Islamic Azad University, announced: "The council of Development in the ministry of Healthcare and Medical Education has approved of IAU's request for admitting assistant doctors in the field of internal diseases." Abtahi, pointing to IAU's background of three decades training general practitioners, said: "Considering the progress of IAU's hospitals, development of quality, recruitment of faculty members, and the modification of the structures and activities of Educational Development Offices (EDO), ministry of Healthcare agreed with this request and granted the permission." He further added: "IAU's deputy of Medical Sciences, in the coming educational year of 95-96, alongside Ph.D. in Odontology and Pharmacy and many other M.A., B.A., and Assistant courses, will train specialist assistant doctors." Dr. Farhad Adhami-Moghadam, director of IAU's Development of Medical Sciences, said: "This is the first time that this has been licensed by the ministry. In 1387 and in the field of Odontology, IAU pursued the permit of ministry of Healthcare for training assistant doctors, which unfortunately was denied. But now, along with the courses for general practitioners, we will have courses for assistant doctors as well."

We welcome your views and memos on the related topics. You can contact us through: english@fdn.ir.

New Equipment to Be Added

Markazi Branch Invites Services of Iranian Lecturers Working Overseas



Amirkabir Campus, Arak Branch

Director of Markazi branch of the Islamic Azad University says: "Iranian lecturers and professors working in universities of Australia, Canada, China and Japan have been invited to collaborate with this branch. In 1395, recruiting new faculty members is the priority of this branch and based on the 6th installment of 5-year development plan, we have to enlist the services of 170 new faculty members for different academic groups. Also, survey and control are among the important educational factors for this academic center and lecturers should pay attention to the quality and quantity of lesson topics at the same time." According to Dr. Alireza Nezam-abadi, this branch has extensive plans to recruit the service of qualified lecturers as part-time or contract trainers, even from the overseas. He added: "New faculty members made it possible to establish new programs which before this, Markazi branch did not offer to the students. Equipping this center with new educational tools is another mission and our effort

is to make it possible for the graduate students to have access to the best possible equipment." He also mentioned the exchange of lecturers and students with foreign universities, stating: "Due to negotiations we had with the invited lecturers, we would take advantage of their expertise in the field of AI and other new courses which are not currently taught in the country."

Targeted Research and SAHA

Dr. Nezam-abadi emphasized that research proposals and dissertations should be directed towards solving local issues, adding: "Considering the decree of Dr. Hamid Mirzadeh, IAU's chairman, regarding the fact each doctoral dissertations should be targeted to answer major problems of the country, Markazi branch has decided to pay special attention to this field. Culture and research are this center's priorities and the budget planned for these two have been on constant rise in the past three years." He talked about SAHA network, announcing the registration of the labs and workshops of

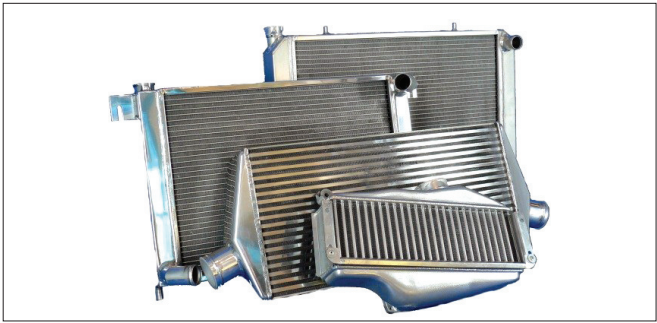
Markazi branch in this system and saying: "After registration, a guiding booklet has been published for the use of the students and faculty members, also researchers from outside of the university. SAHA could help in saving time and would cut redundancies. Not only this prevents extra cost of buying similar tools and devices, but would create a new source of income for the university."

'Hail and Peace' Conference

According to Nezam-abadi, cultural programs of university branches have been designed in the form of enduring programs customized for each locality; he maintained: "We have plans for hosting a round of 'Hail and Peace' conference in Arak branch, focusing on the doctrine of Imam Khomeini (RA); this conference will be held in 10th of Khordad. Also, we will hold a series of workshops to study the lifestyle of Imam; in these events, we will host important figures such as local leader of prayer, grandson of Imam and other officials."

Iran's News

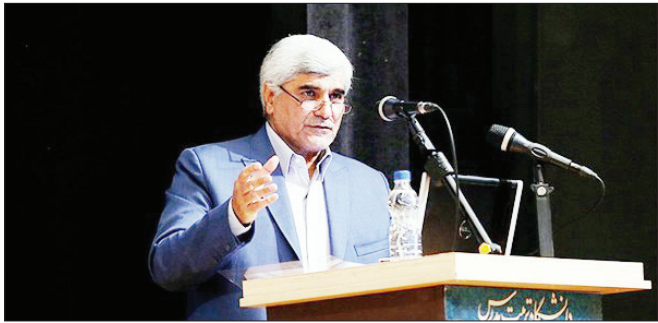
Optimizing Performance of Automobile Radiators



Researchers of Ferdowsi University of Mashhad, alongside researchers of Malaysia's University of Malaya, worked on a project of increasing the efficiency of automobile engines. It has resulted in producing a liquid containing nano-particles, which could be used for cooling the engine and subsequently, optimizing its efficiency and cooling system functionality. Mehdi Shanbadi talked about the purpose of this project, saying: "We have synthesized a new fluid capable of high thermal conductivity in the cooling system of the automobile." Due to its suitable thermo-physical properties such as high thermal conductivity, graphene could be used for increasing the heat transfer coefficient of the fluid. But one of its disadvantages is the lack of homogenous dispersion in liquid phase. Thus, through using

nitrogen instead of the carbon in graphene's structure, the nano-plates have been prevented from sticking together. The result is a fluid containing water, ethylene glycol, and synthesized crumpled nano-plates of graphene containing nitrogen, highly efficient in cooling the engine. In this project, first the graphene containing nitrogen is synthesized with a highly active surface, and then it is time for designing the optimized radiator for the automobile. Next, a homogenous fluid containing crumpled graphene with nitrogen and a mixture of water and ethylene glycol is produced. Finally, the thermo physical properties of this nano-fluid such as viscosity, thermal conductivity and capacity, electrical conductivity, and its effect on the thermal functionality of the radiator in lab and industrial settings are evaluated.

50 Active Knowledge Companies of Stem Cells



Shorena Satari, deputy of Science and Technology in the Presidential Office, Dr. Mohammad Farhadi, minister of Science, Research and Technology and Dr. Ali-asghar Fani, minister of Education, attended the closing ceremony of national festival and international congress of Regenerative Medicine. Farhadi said: "Today, we are capable of detecting deafness at birth and treat it through a scientific system. Also, around 10,000 deaf children and adults are now capable of hearing thanks to the science. Now, our goal is to find a way for treating incurable disease through the established science and developing the field of stem cells." Minister of Science, Research and Technology added: "Every day we have reports of constructing organs such as bone,

skin and cartilage through medical reconstruction and neuroscience. The last century was the time of genetics and now the main subject is neuroscience, which plays a significant role in many diseases, particularly brain damages. This is an interdisciplinary subject and various fields of knowledge such as engineering, medicine and mathematics need to work on it." Farhadi noted that the Council of Stem Cell Sciences and Technologies acts as a comprehensive unit and said: "Various scientific groups are active in this field and the amount of research conducted in this area has also increased since last year. At first only one company operated in this field, but now this number has increased up to 50 companies. Around 5,000 companies specialize in this field globally."



MEMBERS OF TASK-FORCE REBUILDING WAR WRECKED REGIONS MET WITH AYATOLLAH HASHEMI-RAFSANJANI.

IRAN UPDATES

Iran Says Euro Conversions Now Possible

A top Iranian foreign ministry official has been quoted by the media as saying that banking restrictions on the conversion into euro of foreign currencies for Iran have been lifted. Hamid Baeedi-nejad, director general of Political and International Affairs Department of Iran's Foreign Ministry, has cited the ability of Indian companies to convert a sum of \$750 million into euro for Iran through a Turkish bank as a sign of this. This, Baeedi-nejad said, shows that restrictions on euro conversions for large sums belonging to Iran have been lifted. He has further emphasized that Iran will continue efforts to lift all restrictions on financial transactions that still remain in place. Reports earlier said India's Mangalore Refinery and Petrochemicals Limited had transferred \$500 million in payment of its debts for Iranian oil.

Ayatollah Jannati to Head Experts Assembly

Iran's Assembly of Experts has elected Ayatollah Ahmad Jannati to head the body tasked with appointing the "Leader of the Islamic Revolution" and overseeing his work. Ayatollah Jannati was chosen for the post for two years on Tuesday after securing re-election for the assembly in a February vote. In a message to its opening, Supreme Leader of the Islamic Revolution, Ayatollah Seyyed Ali Khamenei, said the new assembly has a duty to "carefully and comprehensively guard the Islamic and revolutionary identity of the ruling establishment and direct intertwined apparatuses of the establishment toward lofty and sublime goals." Former president, Ayatollah Akbar Hashemi-Rafsanjani, who had chaired the assembly until 2011, did not run for the post.

Tata Motors to Set Up Car Unit in Iran

India's media reported on Tuesday that the country's Tata Motors is in talks with Iran's auto giant Iran Khodro to set up a car production unit in the country. The Economic Times has quoted unnamed sources in New Delhi as saying that Tata and Iran Khodro are discussing a joint venture to assemble knocked down units of the petrol versions of its models, including the latest compact car Tiago, Bolt and Zest, which are powered by the company's new Revotron petrol engines. Knocked down version of the cars will be imported and assembled at Iran Khodro's manufacturing facility after adding local contents like tires and batteries, reported the Economic Times. Tata Motors will use Iran Khodro's sales network to sell the cars, it added.

SPECIAL REPORTS

Inside IAU

Mahshahr Branch: Savings in Relations with Petrochemical Industry



Head of the Industrial Relations Office in Mahshahr branch of the Islamic Azad University reported 1 billion Rials savings as a result of establishing relations with industries, petrochemistry companies and other organizations of Bandar-e Mahshahr and Khuzestan province in the past year. Mehdi Jamshidi referred to collaborating with other organizations and industrial centers for the purpose of providing internship as the most important tasks of this office, saying: "Last year, 2,175 students of associate and bachelor levels were introduced to organizations, industries and petrochemistry companies for their internship. Subsequently, this led to creating a mutual and efficient relation between this office and organizations and companies; as a result, an amount of over 1 billion Rials net profit which was supposed to be paid to internship centers was saved." Head of the Industrial Relations Office of Mahshahr branch counted collaborations and holding seminars and scientific conferences as other tasks of this office. He also pointed to several activities of this office including holding the national electrical engineering conference in the field of petroleum, gas and petrochemistry industry, holding the 4th National Conference of New Studies in the field of chemistry, chemical and petroleum engineering, nanotechnology national conference and the professional seminar of architectural identity. He noted: "Other activities of Mahshahr branch regarding this research sector include holding over 18 scientific tours for the students of polymer engineering, color sciences, chemistry, architecture, petroleum and accounting, introducing 128 students to petrochemistry companies and various organizations for the purpose of conducting research, and registering over 830 projects of bachelor students of different fields. We have also outsourced research projects to the petrochemistry companies and organizations of the city."