FARHEEKHTEGAN
Iran's Pioneer Academic Daily
Thu | 18 Feb 2016 | vol.07 | No. 1885 | 16 Pages
www.Farheekhtegan.ir
farheekhtegan_daily farheekhtegan.newspaper farheekhtegan
Advertising Dept: 66348046-18
Editor in Chief Office: 66348016 | 66726047-66760180
Public Relation: 66760499 | Editorial Dept: 66760180-182
Caretaker: Ehsan Mazandarani
SMS 10000138823 | License Holder: The Islamic Azad University
Address: Third Floor, Farheekhtegan Building, Opposite the Stock Exchange building, After Hafez Second Bridge, Hafez Street
Editor in Chef: Mehran Karami
Distribution: Payam Resan Pirooz
Print: Print Organization of the Islamic Azad University

FRAME

## Mosque of Zarand Branch

Rasul Akram (S) mosque on the campus of Zarand branch of the Islamic Azad University, with a base of more than 800 sq/ms, was established in 2010. This mosque which is among the largest religious centers of Kerman province includes numerous offices of student associations, library and consultation center. The exterior is decorated with bricks and tile engraved with Quranic verses which is the masterpiece of local tile-workers.

POINT OF VIEW

## Sofian Branch's 7 Research Achievements Unveiled

Seven research achievements in Sofian branch of the Islamic Azad University were unveiled with the presence of director of IAU's branch in Eastern Azerbaijan. In this event, cultural programs of the House of Music and Cinema were also initiated. The knowledge products were introduced in an official ceremony celebrating the Farj decade and anniversary of the Islamic Revolution. Taking advantage of this occasion, university officials appreciated a number of active university assistants and students, granting them with certificates of achievement.
Dr. Angaji, director of IAU's branch in East Azerbaijan, inaugurated the science and culture center of the House of Music and Cinema; this center started its work as the office in charge of regular cultural programs in Sofian branch with the aim of promoting scientific, cultural and academic achievements. Angaji, mentioning the efforts needed to maintain these regular programs, said: "The regular cultural programs of this center would cost more than 230 million Rials."
Hossein Khosravifar, director of Sofican branch, remarked: "The expenses are for construction and development programs; moreover, all the expenses have been managed in an economic manner, so that they would meet the university's regulations. The research center for Music and Cinema would also develop the quantity and quality of students' researches in these fields, encourages innovation and entrepreneurship and also would recognize students' talents for the sake of gaining their active participation."Khosravifar mentioned the unveiling of 7 knowledge products and said: "The products introduced to the market include: artificial wood, recyclable anti-acid paint, anti-erosion covers for paper documents, air filters for reducing consumption and pollution, speed amplifier for cars, ultra-enduring concrete covering produced with nano technology, concrete buoyant for recreational and military purposes and a new sort of nano-composite. If enough investments are collected, they would enter the phase of mass production."

CONTACT US

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

In Central Council's 70th Meeting

# IAU Is Endurable

*we started with a pure intention and even some of the early people did their job free and out of love for the people. The time has proved our sincerity and the ill intention of those only making problem has been revealed to their chagrin*

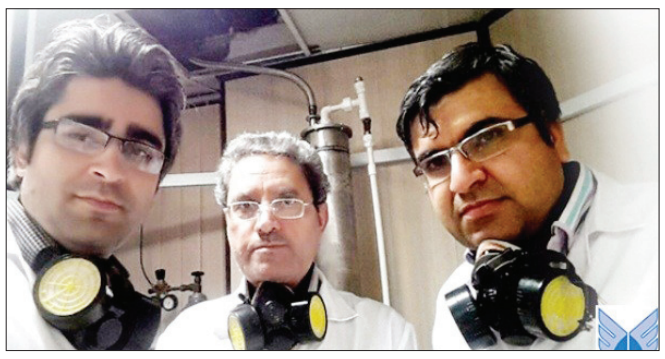
Ayatollah Hashemi-Rafsanjani, founder of the Islamic Azad University and chairman of its board of directors, attended the commencement ceremony of central council's 70th meeting of this university and in response to the report given by Dr. Mirzadeh, said: "Our current state is the result of 35 years of hard work, ceaseless effort and planning. It is as though we planted a seed in the ground and tended to it and now we have a robust and fruitful tree. Islamic Azad University has had a natural growth and just recently it has increased its expansion. It is justified that anything started with a good intention to be enduring and growing. If we had started with the economic gain in mind, after a short while we would have disappeared without leaving a trace behind."

***IAU as Natural Result of Islamic Revolution***

Regarding the foundation of this university in the early years of the Islamic Revolution, Ayatollah Hashemi-Rafsanjani said: "The first negotiations were done by me and Mr. Jasbi; we were colleagues and we could see the urgent need for an academic institution able to answer people's demands. Everyone was enthusiastic about continuing their education while the capacities were not enough to answer this amount of demands."
He went on: "We decided to create a new space for those educated enough to teach but without a job opportunity to gather and offer their services to those interested in furthering their education. The problem was that some felt threatened and stood in the way, claiming that everything should be done by the hand of the government. Supreme founder of the Islamic Revolution gave us permission and he even provided some money for us to start right away. As Quran has taught us, those working for the good of the people would persist and endure."
He remarked that founders of the Islamic Azad University had not gained any personal benefit in these years and their intention was to do their duty before the people.
He continued: "During this time, we were challenged by many groups who did not believe in the capacity of the private sector. But we started with a pure intention and even some of the early people did their job free and out of love for the people. The time has proved our sincerity and the ill intention of those only making problem has been revealed to their chagrin. Today we are offering 50-percent of the country's higher education without receiving anything from the government. IAU has developed the knowledge base of the society and at the same time, has helped the promotion of culture and economy. Surely, the Islamic Azad University is God blessed."

Iran's News

## Solar Cells Produced in Islamic Azad University



The first sample of solar cells produced with the technology of amorphous silicon hydrogen has been presented by researchers of Mahshahr branch of the Islamic Azad University. Dr. Jabar Ganji said: "After four years of ceaseless effort and trial and error, numerous technologic challenges and special circumstances created by the sanctions, we were able to domestically design the tools and parts of the sediment systems and produce the first sample of solar cells in the country based on amorphous silicon."
Dr. Ganji, faculty member of electronics and computer department in Mahshahr branch, explained this project: "This sample with a pin structure was produced in PECVD and sputtering reactors and in the first series of the tests has shown promising results. These cells are applicable in generating electricity out of sun rays and it is a simple and fairly cheap method of producing renewable, clean and safe energies in the place of fossil fuels." Regarding the possible applications in the country, he said: "Iran has a vast geography which grants it a large share of sun rays and this makes Iran one of the best countries to use this source for production of clean energy sources. Domestic production of these cells helps in expanding the use of clean energies and in the long run, this will lead to lower consumption of the fossil fuels."

## Nano-composites Capable of Transforming Heat into Electricity

Researcher of Semnan University, in collaboration with Nano Nafez Company, have succeeded in producing nano-composites that could be used in a number of equipment with the purpose of transforming heat into electricity and improving their efficiency. These nano-particles are suitable for industries of steel, automobile and electricity. Fariba Moshtaghi, referring to the scarcity of fossil fuels as non-renewable energy sources, said: "Considering the critical role of generating energy for the use of the country, the need of doing so through affordable materials and simple processes becomes more important. Thus, the purpose of this project is to produce affordable and highly-efficient thermoelectric materials through wrapping a conductive polymer around minerals, which turns into a nano-composite with the ability of transforming heat into electricity. These nano-composites are small, light, firm, noiseless and motionless. Their other advantages are longetivity and being eco-friendly and recyclability. The thermoelectric equipment composed of these nano-particles could be placed in the exhaustion pipe and the automobile's seats; it could cool them down as well as generating part of the automobile's electricity. They could also be of use in wrist watches and cell phone chargers to take advantage of the body's heat and changing it to the electricity needed for these devices.

NEWS PHOTOS

**70TH MEETING OF IAU'S CENTRAL COUNCIL**

*THE CENTRAL COUNCIL OF THE ISLAMIC AZAD UNIVERSITY COMMENCED ITS 70TH GENERAL MEETING.*

|ANA|

IRAN UPDATES

## Brazil Ditching Dollar to Boost Iran Trade

Brazil says it will ditch dollar in trade with Iran to sidestep a US ban which prevents Tehran from using the American financial system. Trade Minister Armando Monteiro said Brazil seeks to boost business relations with Iran after the lifting of sanctions on Tehran, even though Washington has opted to maintain its "primary" embargo on the country. "Everyone is racing after Iran now. The trade potential is very big," Monteiro told Reuters. He said Brazil will find ways to settle payments and the type of payment and currency in transactions with Iran which President Dilma Rousseff could visit this year.

## Iran's Bank Sepah Reconnected to SWIFT

Iran's Bank Sepah announced that it has been reconnected to SWIFT international banking services system after almost a decade. Bank Sepah's director, Mohammad-Kazem Chogazardi, has been quoted by the media as saying that the reconnection to SWIFT was established on Monday afternoon (15 February). "After the reconnection of the bank to the global services network, a group message was sent to the clients informing them of the re-establishment of international activities and that the bank has officially returned to the global scene," added Chogazardi. He further emphasized that Bank Sepah has tried to live up to its commitments toward its clients in face of the sanctions.

## First Credit Card Firm Seals Deal with Iran

In absence of international electronic payment companies in the Iranian market, indications are now growing that minor rivals from the country's neighbors are trying to penetrate into a market many say has huge potentials not seen after the collapse of the Soviet Union. Iyzico -a Turkish credit card company- has announced a deal with Iran which it says will enable its customers process transactions from some 230 million payment cards that until recently were not connected to any financial system outside Iran. Reports say the company had been working hard over the past year to penetrate into the Iranian market and expand its domain of services for its clients there.

SPECIAL REPORTS

Inside IAU

## Lenjan Branch: First Average Branch to Inaugurate Incubator Center

Dr. Ahmad-Ali Foroughi, secretariat to IAU's board of trustees in Isfahan province and also the director of Isfahan branch, attended the opening ceremony of the incubator center. He emphasized on the expanding the field of activity for the knowledge companies, saying: "Commercializing research ideas is the equivalent of turning science to wealth. Establishment of a number of credible universities in this province and availability of the services for the alumni and also the easy access to skilled and accomplished experts and entrepreneurs are just a few of our strong points. It is worth mentioning that Lenjan is located in the neighborhood of large industries such as Isfahan's Steel Company and Mobarakeh Steel Complex which is another advantage."
Head of incubator center in IAU's Lenjan branch described the development process of this center and noted: "Lenjan branch is the only establishment of IAU in this province that is of an average ranking; but considering the special properties and the suitable circumstances for the opening of an incubator center, we started the necessary measures in the late 2014 towards inaugurating this center. Early in 2015, we successfully attained the required license from IAU's head office and the ministry of science and research. This is the first time that a branch with average rankings has received this license."
Dr. Ehsan Kuchaki mentioned the promising future of Lenjan branch's incubator center and added: "We plan to realize this establishment's scientific and research potentials through recruiting the big and small industries active at national and regional levels, and also the services of students and graduates of this branch that are familiar with these industries. In this way, the incubator center of Lenjan branch would become one of the most active and credible research centers in the next 5 years."
Dr. Kuchaki went on: "One of our recent achievements is the students' designs that have finally produced physically. For example, the static and dynamic rotor balancing test apparatus has a number of clear advantages compared to the previous samples. The design and building process of frequently used devices in machine dynamics and vibration labs was also supported by this incubator center as a knowledge project. Now, as a result of students' efforts and supervision of the faculty members, the designs are at the production stage."
This official mentioned another built device and continued: "The instrument for examining the critical distance enjoys a simpler structure in comparison to its similar samples. Also the shock absorber testing device is in the phase of building lab gears. Currently, we are registering companies and appealing to the knowledge companies, so that after gaining the incubator center's support, we could produce other lab equipment and offer their services to the market."