

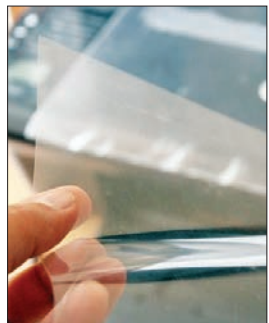
Mosque of Maragheh Branch

Atameh al-Zahra (S) mosque on the campus of IAU's Maragheh branch, with 1,000 sq/ms infrastructure and located in a convenient corner of the campus, was founded in 2015. Alongside usual features, this mosque has a gallery for exhibiting religious artworks, a cultural center and library, also an educational part with several class and conference rooms.



POINT OF VIEW

Heat-Resistant Polymer Developed



Researchers in Kashan University have succeeded in the lab-scale production of a new polymer which is highly resistive to heat and flame. According to Iran's Nanotechnology Initiative Council (INIC), this new polymer has applications in textile, aerospace, automobile manufacturing and home appliances industries.

Cellulose acetate is a commonly-used material in various industries, such as textile. This substance has various desirable properties, such as toughness and impact resistance, as well as an acceptable level of transparency and tonality. However, its relatively low resistance to heat and flame is one of the limitations preventing its wide use in production cycles. This time, researchers have attempted to increase the polymer's resistance to heat and flame through production of cellulose acetate nano-composite. The mechanism of the nano-composite is able to slow down the spread of heat and in this way, even if the polymer does not resist against continuous or large flames, it will at least slow down the spread and will provide enough time for rescue missions. Antimony oxide nano-particles have been synthesized in this research through sonochemical method, and the effect of various parameters, including concentration and ratio, on the structure of nano-particles have been studied. Next, synthesized nano-particles were added to the polymer bed and carbon nano-tubes and their placement was confirmed through electron-microscope viewing and spectrometry tests. Thermal gravimetry test was also used to study the effect of this change on thermal resistance. Results of this research have been published in Journal of Cluster Science, vol. 25, no. 4

CONTACT US

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

Delegate Team of Lund University in Science and Research Branch

Scholars from Iran and Sweden Discussed Middle East Developments



This center was founded in 2007 with the aim of carrying out research on the affairs and changes in the region of Middle East

Scholars from Iran and Sweden held a symposium to discuss the latest Middle Eastern developments, including the rise of the ISIS terrorist group, in Tehran. The jointly-held symposium of 'Iranian and European View on Middle East Developments' was attended by researchers from Lund University, Sweden and Science and Research branch of Islamic Azad University of Iran. The topics of interest in this symposium were the rise of the ISIS terrorist group, Russian operations in the region, Saudi-Iranian relations and other nascent phenomena of the Middle East. Dr. Leif Stenberg, director of Center for Middle Eastern Studies of the Lund University said: "This center was founded in 2007 with the aim of carrying out research on the affairs

and changes in the region of Middle East." Amirreza Arjmand, a researcher from Lund University, pointed out the Swedish people's interest in Persian literature and culture and said: "More than 80 classic works of Persian literature, including poems by Attar Neyshabouri have been translated into Swedish throughout the past century by people like Eric Hermelin." He continued: "Famous Swedish Iranologist, Henrik Samuel Nyberg, was the first to study Avesta, Zoroastrian scriptures and Pahlavi language [Middle Persian] as a research interest. This shows the extent of interest that Swedes take in the Persian literature and culture." Dan-Erik Andersson, another researcher from the Lund University, also expressed his satisfaction with their visit from Islamic the

Research and Science branch of Islamic Azad University. He said: "In general, Sweden has extensive relations with many countries in the world and Lund University is one Swedish institution focused mainly on the study of international relations." Dr. Keyhan Barzegar, faculty member of Science and Research branch, also expressed: "Studying the state of affairs in Middle East is of vital importance. A large number of students and scholars in this branch are interested in doing research in this field for a better understanding of the power mechanisms witnessed in the region." Majid Tavassoli, director of the faculty of Law and Political Sciences, gave a speech on how prominent academic scholars are working on ethnic, national and international studies in the Research and Science branch.

Iran's News

Iranian Wins CERN Physics Prize



Iranian researcher, Esmail Eskandari, has been recognized as one of the three CMS Fundamental Physics prize winners. Eskandari, a doctoral candidate and researcher in the Iranian Institute for Research in Fundamental Sciences, shared the prize with two other researchers from Delhi and Helsinki. His academic research, titled 'Search for Resonant and Non-Resonant Higgs Pair Production in bbVγ Decay Channel through Semi-Letonic Final States', was awarded as a valuable pursuit in the field of physics. The Compact Muon Solenoid (CMS) is one of the two leading experiments at CERN focused on the particle physics detectors, drawing contribution from hundreds of scientists from more than 37 countries around the world, including Iran. Founded in 1954 in northeast Ge-

neva, the European Organization for Nuclear Research, known as CERN, is the world's largest particle physics laboratory. Sitting astride the Franco-Swiss border near Geneva, CERN currently has 20 member states from Europe, over 2,600 fulltime staff and 7,931 scientists and engineers who represent 580 universities and research centers in 80 countries. The CERN's main activity is to build particle colliders, experimental facilities and instruments in fundamental particle physics. The CERN's four largest particle accelerators have been built by global contributions. CERN's main site at Meyrin, Geneva, has a large computer facility containing powerful data for the specific purpose of analyzing laboratory data.

IAU Student as Taekwondo Runner-up



Saeed Rajabi, student of Physical Education in Miyaneh branch of Islamic Azad University, became the runner-up in World Taekwondo Championships, Mexico. Hossein Ali-zadeh, director of Physical Education in Miyaneh branch, remarked: "Saeed Rajabi, who is a member of Iran's national taekwondo team, representing Iran in this championship alongside Mohammad Kazemi, Abolfazl Yaghoubi, Masoud Haji Zavareh and Omid Amidi, was able to go up to the final round and since he lost the game to the other side, an athlete from Azerbaijan, he stood on the second step and was recognized as the runner-up." He continued: "In the final match, Iran lost the game to Azerbaijan and ended up with the title of runner-up in 2015 World Taekwondo Championships, held in Mexico. In total, 8 teams participated in this round of taekwondo championship, held at Mexico City, the capital of Mexico. After Azerbaijan and Iran as the champion and runner-up of the games, Russia and South Korea jointly achieved the third place." Before this, Saeed Rajabi had achieved the championship of 2014 international university games, held in South Korea.



INTERNATIONAL CONFERENCE OF SPORTS MEDICINE

THE 40th INTERNATIONAL CONFERENCE OF SPORTS MEDICINE, ATTENDED BY IAU'S OFFICIALS, WAS HELD IN THE AUDITORIUM OF FARHEEKHTEGAN HOSPITAL.

NEWS PHOTOS

IRAN UPDATES

The White House has no Strategy on Syria

Former US defense secretary Chuck Hagel said Washington had no strategy to deal with the Syrian crisis. In an exclusive interview with "Foreign Policy" published on Saturday, he said "the Obama administration micromanaged the Pentagon, stabbed him in the back on the way out — and still has no strategy for fixing Syria." Commenting on the initial US airstrikes on Syria, Hagel believed "that dealt a severe blow to the credibility of both Obama and the United States." "Whether it was the right decision or not, history will determine that," Hagel told Foreign Policy in a two-hour interview, his first extensive public comments since he was forced out of his position in February.

Iran Underlines Removal of Hindrances to Tehran-Berlin Ties

Minister of Industry, Mine and Trade Mohammad Reza Nematzadeh called for removal of obstacles to way of Tehran-Berlin activities. Nematzadeh made the remarks during a meeting with his German counterpart. The meeting was held on the sidelines of the tenth World Trade Organization (WTO) Ministerial Conference in Kenya on December 17. Nematzadeh, in the meeting, hoped Iran and Germany would cooperate in different joint projects.

Tehran to Host World Scientists at Mustafa Prize Ceremony

First press conference of Mustafa (PBUH) Prize 2015 was held last Wednesday at Vice-Presidency Office for Science and Technology, Mehr News Agency reported. According to the Public Relations Department of Mustafa (PBUH) Prize, Mehdi Safarinia, President of Policy Making Council of Mustafa (PBUH) Prize, hosted the first press conference of this event and elaborated on aspects of this scientific prize of Muslim world which is organized by Iran for the first time. At the beginning of the session, Safarinia congratulated the start of Rabi al-Awwal month and stated that the Policy Making Council of Mustafa (PBUH) Prize has been working for the last three years to set policies for the first round of Mustafa (PBUH) Prize.

SPECIAL REPORTS

Inside IAU

Sabzevar Branch: Cultural Roots



The Islamic Azad University of Sabzevar (IAUS) was founded in 1985 in Sabzevar, the second largest city of Khorasan province, in the north eastern part of Iran. Located at a largely agricultural region, Sabzevar has a population of around 200,000, majority of which are engaged in commerce and small industries. Having a rich cultural background, Sabzevar takes pride in its wealth of significant historical figures including Beihaghi - the great 11th century historian- and Haji Sabzevari - the 19th century philosopher.

IAU's Sabzevar branch was constructed in response to increasing demands for higher education in the region and has since continued its expansion and development. Currently, around 6,500 students are enrolled in three campuses of this university. Also, a new campus is under construction, adding 28 hectares to this branch's educational space. In addition, the dormitory of this branch has the capacity of accommodating 600 students. The offered courses in Sabzevar branch include Foodstuff Science and Technology, Persian Literature, Islamic Philosophy, Islamic Jurisprudence, Accounting, Electronics, Nursing, Education, Public Health, Computer Sciences, Educational Management and Economics; these are offered in a range of degrees, from bachelor to Ph.D. Also, some H.N.D degrees are offered in the field of health, life sciences, accounting and computer. This branch has obtained several achievements in the fields of science and sports, such as the 2008 championship of the intra-provincial branches chess tournament, held among the branches IAU in Khorasan province; the third place and bronze medal of the Malaysian Exhibition of Innovation and Invention.