

JUST



Jordan University of Science & Technology

Newsletter

CLASS OF
2014



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Faculty of Computer and Information Technology



The Faculty of Computer and Information Technology (CIT) is a rapidly growing faculty at Jordan University of Science and Technology (JUST) with outstanding national and international reputation in terms of its programs, students and faculty members. CIT was established in 2000 and over its years of operation managed to build an international reputation for excellence in teaching, research, and services. The college started out by offering two undergraduate programs; computer science and computer engineering. Later on in 2001, the faculty initiated a master's program in computer engineering. These were followed by two more programs in 2003; a B.Sc. program in computer information systems and a master's degree offering in computer science. In 2009, two B.Sc. programs were added to the degree offerings of CIT,

namely software engineering and network engineering and security. The Faculty is currently looking into the possibility of establishing a new B.Sc. program in Service Science Management and Engineering (SSME). When offered, the program is expected to be the first of its kind in Jordan and in the region.

The Faculty has 28 specialized teaching and research labs. It is the first college in Jordan utilizing Cloud technologies in teaching and research activities. CIT procured Cloud Burst from IBM in 2009 and now it is in service of teaching and research in the university. As academia and industry are inseparable in technology and engineering, CIT has pursued collaboration with renowned IT companies. As a result of this collaboration, CIT now has three academies in partnership with the industry: CISCO Academy, Oracle Academy and Microsoft Academy. In addition, CIT will establish a Center of Excellence for Service Innovation in collaboration with IBM. Furthermore, the faculty started an industry incubators initiative to help bridge the gap between academia and industry. Under this initiative, IT companies would be encouraged to set up branches or incubators on campus with the premise that the companies will offer training to students of CIT. Along that line, the college has struck an agreement with iHorizon Company.



The faculty hosts 47 PhD degree holders, 27 M.Sc. degree holders, and a general staff of 65 employees. The faculty is currently a home to about 2500 B.Sc. students and over 130 graduate degree students, 25% of whom are international. The research interests of faculty members are diverse and cover such areas as knowledge management, data mining, databases, cloud and big data, computer networks, artificial intelligence and VLSI. Since 2009, the faculty launched its flagship conference, the International Conference on Information and Communication Systems (ICICS) that is being annually organized by its own faculty members. The faculty of CIT has ambitious plans to become a role model in Jordan and in the region. It possesses the basic ingredients for achieving this goal in terms of academic qualifications and Ph. D. training of its faculty members and staff, and in terms of its existing infrastructure. The faculty of CIT is committed to maintaining outstanding quality of its academic programs, research, faculty and graduates.

Dr. Rehab Duwairi, Dean



University News

Her Majesty Queen Rania Al Abdullah Meets with JUST's Microsoft Imagine Cup 2014 winning Team



Her Majesty Queen Rania Al-Abdullah met with the JUST winning team of Microsoft's Competition "Imagine Cup"-Jordan for this year in the category of innovation. The winning team, named "The Pen" represented by students Tariq Bani Domi and Moaman Alnmrat, developed a computer program to help users with drawing and design more accurately and easily. Her Majesty expressed her admiration as she pointed out to the necessity of nourishing such talents, and establishing a database for innovators as well as their skill areas and create a means to communicate with them directly.

For his part, General Director of Microsoft in Jordan, Hussein Malhas, said that around 500 students from

all around Jordanian universities and schools participated in the contest this year. He added that for the finals, 11 teams within 3 groups had competed to find solutions whereby latest technologies are deployed in day-to-day living using the latest Microsoft platforms. Among these teams, he said, the JUST team was the one to win the competition. Worthy of noting here that as the Pen Project team was the overall winner of Imagine Cup 2014-Jordanteam members would be entitled to represent Jordan at the Imagine Cup Arab Semi- Finals in Qatar this year where it will compete against participants from 22 Arab countries. Winners of the semi-finals will qualify for the Imagine Cup Worldwide Finals 2014, planned to take place in July in Seattle, USA.



Caterpillar Identifies JUST as a Primary Candidate for a Pilot Project



In 2011, Caterpillar established the Middle Eastern Resource Group (MERG) with a mission to support Caterpillar's growth and success globally, bridge the Caterpillar and Middle Eastern cultures, and to empower members through development and cross functional service opportunities while supporting an environment of diversity and inclusion at Caterpillar.



One of the first initiatives identified was to establish relationships with technical institutions training the future managers, engineers, and technicians that will understand the needs of customers and dealers. To that end, Caterpillar identified Jordan University of Science and Technology (JUST) as one of their primary candidates for a pilot project pending final selection and approval of the project by the business/dealership affairs group. The pilot project includes providing an engine along with working closely with JUST to train technicians and engineers using various other resources provided by Caterpillar. As part of an initial screening process, 11 candidate universities were selected from 7 different countries (UAE, Saudi Arabia, Jordan, Egypt, Lebanon, Israel and Turkey). JUST was one of the top candidates as compared the workshop capabilities, staff and faculty members, and the number of the school alumni that worked for or are currently working for Caterpillar. Caterpillar greatly appreciated the commitment and willingness of JUST to support this effort. "We have nearly completed our assignment; that being to select a university that meets our criteria", Caterpillar University Team Lead, Mustafa Alsaleh, said in his letter to the University President, Prof. Abdallah I. Husein Malkawi. He added: "We congratulate you and your team at JUST for all the good work that you have been doing to make JUST what it is today."



The Ambassador of Saudi Arabia Visits JUST



Professor Abdallah Malkawi, President of JUST, met with the Saudi Ambassador, Dr. Sami bin Abdallah Al-Saleh. During the meeting, also attended by Director of the Saudi Cultural Attaché Dr. Mohammed Al-Qahtani, the two parties discussed a number of specific topics related to the anticipated rise in the number of admitted Government-sponsored Saudi students at JUST. Professor Malkawi cheered the visit of the Saudi Ambassador and his interest in sponsoring the largest possible number of Saudi students to attend the university, stressing the depth of the brotherly and historical relations between the two countries. He, also, noted the already existing Saudi student population of around

770 students currently enrolled in classes spanning the various disciplines fostered by the university. Later on, the Saudi Ambassador toured the King Abdallah Educational Hospital and Princess Haya Biotechnology Center. General Director of the hospital, Prof. Ibrahim Bani Hani, briefed the Ambassador on the main achievements of the hospital and its central role within the community. The Ambassador concluded his visit as he met with Saudi students at JUST and listened in to their comments and concerns.

The Cultural Attaché of Bahrain Discusses Students' Issues with JUST President

The president of JUST, Prof. Abdallah Malkawi, met with the Bahraini's cultural attaché in Jordan, Dr. Ghada Bint Juma Bint Amer. The two sides discussed a number of issues related to Bahraini students studying at the university. Professor Malkawi elaborated on the depth of existing relationships between the administration of JUST and the Cultural Attaché of Bahrain, praising the Bahraini students at JUST for reflecting an image of exemplary characters and high aspirations towards academic excellence. He also indicated that Bahraini students provide the best ambassadors of their country in Jordan. Prof. Malkawi also expressed the university's willingness, if asked, to consider extending the admission quotas for Bahraini students in the various disciplines. Dr. Bint Amer expressed her gratitude for such meeting, which comes about to reflect the strength of relations that have long tied the two countries and their peoples together for so long. She expressed her admiration towards the high academic standards characteristic of JUST and the scientific reputation making it the destination of choice for many of the Bahraini students wishing to study abroad.



Consultative workshop on: The Use of Green Nanoparticles as a Biofouling Resistant Agent in Reverse Osmosis Desalination

Queen Rania Al-Abdullah Center of Environmental Sciences & Technology (QRACEST) at Jordan University of Science & Technology (JUST) recently conducted a workshop entitled "The Use of Green Nanoparticles as a Biofouling Resistant Agent in Reverse Osmosis Desalination", under the patronage of Prof. Abdallah Malkawi, president of JUST. Dr. Muna Abu-Dalo Director of QRACEST and the principal investigator of the project said: "This project will develop new processes to produce reverse osmosis membranes that resist fouling by microorganisms. JUST will inherently benefit from this project with the acquisition of bench scale membrane equipment, support two graduate students and would provide training on membrane development, separation and nanotechnology.





The JUST team will lead a regional and international research team composed of researchers from Morocco's National Office of Electricity and Portable Water (ONEE), the University of Toledo, the University of Rhode Island and Georgia Institute of Technology. Research activities will take place in Jordan, Morocco and the United States. Participants from University of Rhode Island, University of Toledo, Georgia Tec. Institute from USA, and ONEE from Morocco shared their experiences with Jordanian researchers during the workshop.

Open Educational Resources (OER) Workshop

The Academic Development and Quality Assurance Center (ADQAC) at JUST organized a workshop in the field of E-learning entitled "Open Educational Resources (OER)". The workshop is the first of its kind to be offered at JUST and in Jordan, at large. This 2-day workshop was offered to twenty faculty members from different academic departments from around the university. It is one of the workshops required for academic promotion. The workshop, which was delivered by Dr. Sereen Bataineh from the Faculty of Sciences and Arts, who already had just received mini-internship training on the topic from American experts in March 2014, covered such topics as types of OER, Creative Commons (CC) Licenses, Finding OER, Public Domain, Why OER Matters, Prestigious universities OER initiatives and MOOCS. The instructor elaborated on her personal experience in OER and how the participants can benefit from it as the need arises. The participants expressed their satisfaction with the subjects covered in the workshop where many of them commented that it added new pedagogical tools for their teaching practices.



Workshop on "Water Governance and Water Integrity Risk Assessment"

"To manage water resources efficiently, you have to understand good water governance, where good governance is the basis for providing better services to citizens." HE Minister of Water and Irrigation, Dr Hazem El-Naser said during the opening statement for a workshop at JUST entitled "Water Governance and Water Integrity Risk Assessment". The workshop was organized by the Queen Rania Al-Abdullah Center for Environmental Sciences and Technology (QRACEST) at JUST and held at the Landmark Hotel in Amman. The workshop highlighted the prevailing water situation in Jordan and the government's efforts in the areas of water management and water governance. The participants addressed the main factors behind water scarcity in the MENA region including physical, natural, political, and those that are human-induced. Among these factors are, weak governance structures; existing mistrust between different parties sharing the same water resource; limited institutional mechanisms for applying integrated water resource management principles and a lack of integrity. Worthy of mentioning here would be for IUCN ROWA's participation in this workshop to share their experience in water governance and water resource management. At the workshop, the participants, primarily representatives of the various stakeholders, helped in defining an analytical framework for integrity risk assessment in water resource management. The causes behind each risk were pointed out and analyzed with the primary root causes tackled more subtly. The results of this exercise would help identify those organizations that need to be targeted for training and pinpoint the particular training topic for each organization and at what level.





Students News

The Twenty Sixth Commencement Exercises at JUST



The President of JUST, Prof. Abdallah Malkawi, patronized the 26th Graduation Ceremony that commenced the last week of June with the graduating number of post-graduate students tallying 332 graduates from the various academic disciplines.

Prof. Malkawi stated that it is needless to say that our graduates have long enjoyed a lofty scientific reputation at the local, regional and international levels; one that has attained a high level of academic prominence in the fields of science and technology that it fosters.

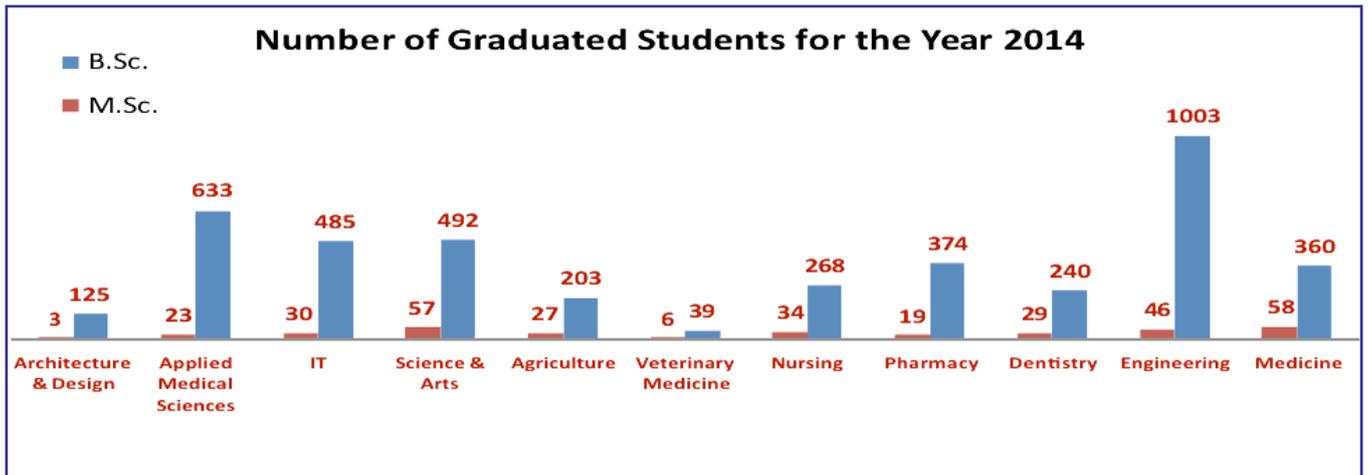
He added: "At JUST we are proud that we foster study plans that combine theory and practice as well as knowledge and action. All of this has

been achieved through the cooperation and support of faculty members and administrative staffs throughout the university, and in response to the students' motivation and aspiration to receive a level of knowledge and learning commensurate with a path of innovation and excellence. This comes in as a result of an integrated system that seeks to develop and evolve as it meets the best of international standards.





JUST



In his speech, Prof. Khaled El-Salem, Dean of Graduate Studies, addressed the graduates by saying "I salute you, and I congratulate you with all meaning of appreciation and joy, on this cheerful day. It is the time of year- we gather to greet you graduates after a tedious scientific journey of diligence and perseverance that you have come to reap the fruits of your tireless efforts today. The twenty sixth class carries with it great hopes from a university that continues to be proud of its own graduates now and in the future.

For his part, the Dean of Student Affairs, Prof. Ahmed Alawneh, said that the total number of graduates for this academic year was around 4544 from the different disciplines involved (among them 925 students are non-Jordanians). The commencement exercises that all began Tuesday, June 24, 2014 concluded on Friday, June 27, 2014.



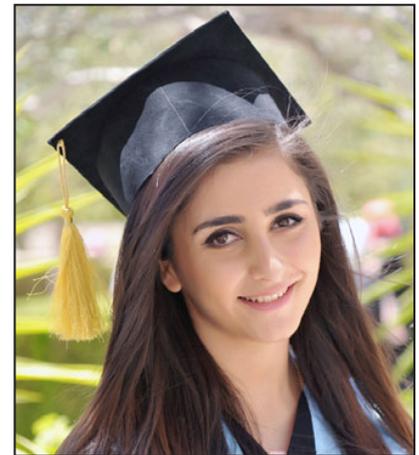


Hothaifa Hatamleh, Civil Engineering (Jordan):
"Only JUST Leads to Excellence"

Marah Gharaibeh & Dana Obaidat, Genetic Engineering (Jordan):
"Our Dreams Come True"



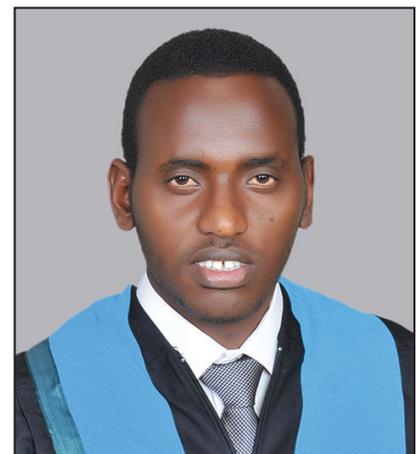
Mashaal Dabour with Family, Electrical Engineering (Jordan):
"We Are Very Proud"



Forat Al-Omari, Architecture (Jordan):
"I Couldn't Phrase Down My Feelings... So Excited Though I Will Miss JUST"



Siti Nur Rashidah Kamil, Dentistry (Malaysia):
"I am Sure That We Will Have a Prosperous Future.... Thanks to JUST"



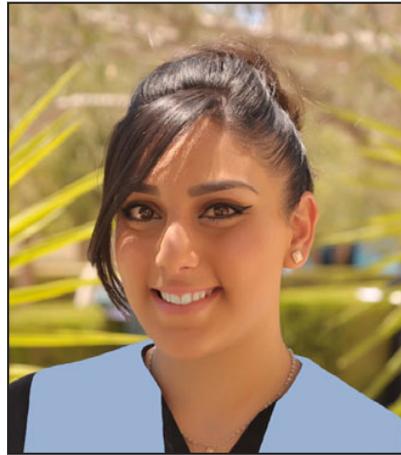
Mustafa Sheikh Mohammad, Agriculture (Somalia): "I want to be the Ambassador of Jordan to Somalia"



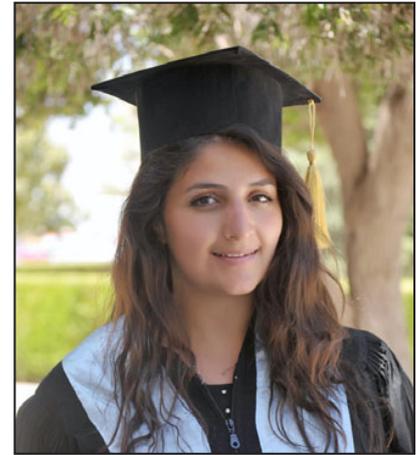
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**Mufaid Al-Mhana,
Medicine (Saudi Arabia):**
“Over the 6 Years of
Studying, I Gained Two
Things: Medicine &
Jordanian Hospitality”



**Rawan Touqan,
Biotechnology (Arab 48):**
“JUST is Great..... JUST
is Premium.....JUST is
My Beloved”



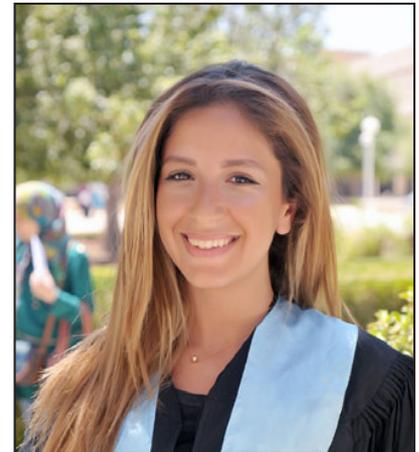
**Raya Hijazi, Dentistry
(Jordan):**
“Beauty, Strength and
Excellence... JUST is the
Place to Be”



**Wala' Ayoub,
Occupational Therapy
(Sudan):**
“I am Very Honored to
Be JUST Graduate”



**Ali Mathkoury,
Dentistry (Kuwait):**
“I Can't Express My
Feelings... Jordan is My
Second Home”



**Hala Abu Abed, English
Linguistics (Palestine):**
“I Love JUST”



Faculty Achievements

Prof. Ahed Al-Wahadni Receives the Fellowship of the British Academy of Higher Education



Prof. Ahed Al-Wahadni has just received the fellowship of the British Academy of Higher Education for his marked achievements in the field of higher education. The Higher Education Academy champions excellent learning and teaching in higher education. Its mission, as stated in their Strategic Plan 2012-2016, is to use their expertise and resources to support the higher education community in order to enhance the quality and impact of learning and teaching. They do this by recognizing and rewarding excellent teaching, bringing together people and resources to research and share best practice, and by helping to influence, shape and implement policy. Under this fellowship program, the candidate should pass 5 stages: Design and plan activities and/or programs of study, teach and/or support learning, Assess and give feedback to learners, Develop effective learning environments and approaches to students support and guidance and engage in continuing professional development. According to this charter, Dr. Wahadni's five areas of activity have well met the requirements outlined in Descriptor 2 (D2) of the UK Professional Standards Framework. Prof. Al-Wahadni has 20 years of teaching experience, 55 published articles and 5 published books.

Dr. Mhaidat Wins ACDIMA Award 2013



The jury for the ACDIMA Award announced Dr. Nizar Mahmoud Mhaidat, Director of Pharmaceutical Center at JUST and faculty member at the Faculty of Pharmacy, to be the winner for the best scientific research at Arab Nations level for the year 2013. Dr. Mhaidat received such award for his distinguished efforts in the development of a new compound that hampers the growth of cancer cells. The research team, composed of Dr. Mhaidat (Head of the team), Dr. Amjad Qandil, Dr. Qusay Albuls and Dr. Mohammed Hassan, worked on this project which was funded by the Deanship of Scientific Research at JUST. They discovered this compound through intensive experimentation and analytic research conducted at university laboratories. The recipient of the award, Dr. Mhaidat, has a long experience in the field of Science and Cancer Research, where he has published more than fifty scientific papers published in well-known international refereed journals. Dr. Mhaidat said that more experimentation will be conducted on this compound in order to ensure safe use in the near future for colon cancer patients.



Researchers from JUST Win two of Ali Mango's Awards for Distinguished Researcher for 2013



Drs. Karem Alzoubi and Omar Khabour won the 2013 Ali Mango Awards for distinguished researchers in the fields of Pharmacy/Dentistry/rehabilitation sciences, and sciences/Information technology, respectively. This was announced by the council of Hamdi Mango Center for Scientific Research at the University of Jordan Saturday 14-06-2014. Dr. Alzoubi is the Vice Dean of the Faculty of Pharmacy and an Associate Professor



in the Department of Clinical Pharmacy. Dr. Khabour is the Vice Dean of the Faculty of Applied Medical Sciences and an Associate Professor in the Department of Medical Laboratory Sciences at JUST. They received this prestigious award for their valuable contribution to the advancement of sciences in their respective fields of specialty, for their activity in obtaining international research support, and for supervising a countless number of graduate students during the last five years. The Hamdi Mango Center for Scientific Research started this award in 2010 for outstanding researchers in the faculties of science and health in Jordan. The allocation of the prize is made in recognition of the best performance in scientific research across Jordanian Universities. This performance is measured in terms of the role of research faculty involved, quality of the work executed, and the graduate students who are involved in doing the work.

Emeritus Professors



Dr. Hamad Al-Ghaferi

The Deans' Council at JUST in its meeting on June 9, 2014 issued a decree whereby Dr. Hamad Al-Ghaferi, Director General of the National Rehabilitation Center (NRC) in Abu Dhabi was granted the title of Emeritus Professor in due of recognition of his contributions to his fields of research and academic expertise.

Academic Promotions



To Full Professor
Prof. Samer H. Al Ghour
Faculty of Science & Arts
Department of
Mathematics &
Statistics

To Associate Professor
Dr. Mikhled Maayah
Faculty of Applied
Medical Sciences
Department of
Rehabilitation
Sciences





Snapshots

Jordan University of Science & Technology

Newsletter



Princess Haya Biotechnology Center Workshops



President's Meeting with Directors of Centers and Administrative Units



Free Medical Day at Bani Kinanh Area



Director of Competitive Program in Jordan Visits JUST



Training Course in Occupational Safety and Health



Delegates of Sultan Qaboos University – Oman

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