

## Deanship of Scientific Research & Graduate Studies

Discover. Transfer. Impact

VOLUME 3, ISSUE 2  
SEP, 2018

للتفكير العلمي

للتفكير العلمي

بالاكتشاف و نقل المعرفة و نقل التقنية  
نساهم في بناء وطن

### Highlights



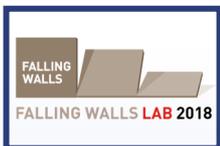
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## WELCOME TO UBT RESEARCH E-NEWSLETTER

Welcome to the 2018 edition of the UBT Research Electronic Newsletter. The Research E-Newsletter is being published for its third year to share, celebrate, and recognize the research work of UBT faculty members and students, their publications, their inventions, and their awards. In this issue, you will know more about services that facilities your study and research, you will find opportunities, and you will be inspired to excel. Enjoy reading, and wishing you more publications, inventions, conferences, awards, citations, etc.

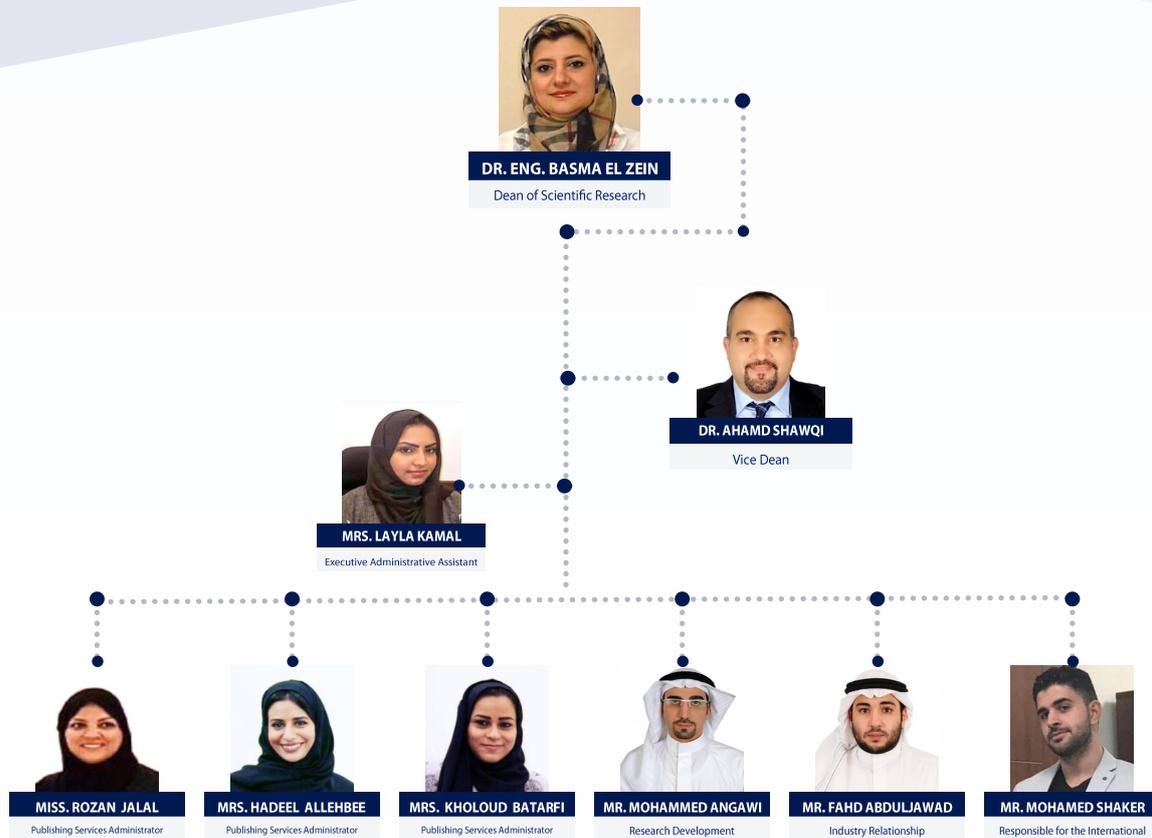
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### DATES TO REMEMBER

- ◆ IEEEEXTREME on the 21<sup>st</sup> of October
- ◆ Bupa Arabia Challenge on the 1<sup>st</sup> of November
- ◆ International day for Quality on the 10<sup>th</sup> of November
- ◆ **DEADLINE FOR SUBMISSION**
- Second call for research proposal by the 30<sup>th</sup> of December
- Seed Fund Program submission closes on 30 December

## ABOUT US



### The Deanship of Scientific Research team

#### OUR VISION IS

to be the leaders in research excellence, creativity, and innovation that serves the community and solves current life problems.

#### OUR MISSION IS

to support faculty, staff, and students to perform creative and innovative scientific research to develop the business & Technology in the Kingdom of Saudi Arabia, commercialize, transfer technology, to serve the national and international economic development needs in different business sectors.

## OUR TEAM MEMBERS

### Featuring Dr. Ahamad Shawqi



**DR. AHAMAD SHAWQI**

**VICE DEAN**

**D**r. Ahmad Shawqi received his Ph.D. in physical chemistry and material science from the University of Limerick, Ireland in 2007. He joined the College of Engineering and Information Technology (CEIT) at the University of Business and Technology (UBT) in October 2010. He has been Head of the Department for General Subjects since 2012. In 2015, he was awarded the Dr. Abdullah Bin Sadiq Dahlan prize for the best researcher in UBT. He was promoted to the rank of Associate Professor at the beginning of 2016. He has published 11 papers in peer reviewed European and American journals in the field of electrochemistry, crystallography and sensors.

## OUR NEW TEAM MEMBERS

### Welcome on Board

CONGRATULATIONS FOR BEING PART OF OUR UBT FAMILY. WE ARE CONFIDENT THAT YOU WILL BRING GREAT VALUE WITH YOUR CONTRIBUTION.



**MRS. KHOLOUD BATARFI**  
PUBLISHING SERVICES ADMINISTRATOR

**K**holoud Batarfi has a master's degree in art and Design from Leeds- UK, her study focused on Graphic Design and Islamic Art. Kholoud is an enthusiastic hardworking designer who is committed to providing a non-ending excellence in her field of study. She is willing to improve her skills to acquire the indispensable experience in art and design. Also, she enjoys teamwork and found herself a natural leader who is able to lead the team to success. She is born to be a successful leader which makes her interested in the art management field. More importantly, she is a very talented, keen and dedicated to her works and has the ability to face the cultural challenges. Now, Kholoud is working as a Graphic Design lecturer at the University of Business and Technology (UBT) as well as working as a Publishing Services Administration at the same institution. Kholoud is a member of Jeddah House of Artists and her goal to finish her Ph.D. very soon in the same field.



**MR. MOHAMED SHAKER**  
INTERNATIONAL AFFAIRS

**M**y journey in UBT was a pleasant experience, it started in 2010 when I joined as a student in the College of Business Administration, where I had the chance to develop and acquire the needed knowledge in today's dynamic business environment and secure an internship at the Saudi airlines treasury unit and I was able to complete my bachelor of Finance in 2014 and my MBA degree in 2017.

Today my journey with UBT is still moving forward as an employee, I am working as a Research Assistant in charge of the International Affairs at the Deanship of Scientific Research and Graduate Studies, a department that allowed me to engage in research activity and in promoting our academic growth. And that's why I am very proud and honored to be a UBT graduate.

## Deanship of Scientific Research to Take on Graduate Studies

The Deanship of Scientific Research is honored to serve graduate students during their application process to any of the graduate courses offered at UBT. In addition, it will continue to provide all support for current graduate students, faculty and staff.

**MBA**

Master of  
**Business Administration**  
ماجستير إدارة الأعمال

- Accounting
- Finance
- Management Information System
- Marketing
- Human Resources
- Entrepreneurship
- International Business Management

**MSc**

Master of  
**Accounting**  
ماجستير المحاسبة

**MSc**

Master of  
**Human Resources Management**  
ماجستير إدارة الموارد البشرية

**MSc**

Master of  
**Supply Chain Management**  
ماجستير إدارة إمدادات الأعمال

**MEM**

Master of  
**Engineering Management**  
ماجستير الإدارة الهندسية

- Quality
- Industrial Engineer
- Construction

**MSc**

Master of  
**Marketing**  
ماجستير التسويق

**MSc**

Master of  
**Finance**  
ماجستير المالية

## Graduate Studies Council Holds its First Meeting



**T**he Graduate Studies Council held its first meeting on the 5<sup>th</sup> of September. Council members are:

- Dr. Basma Elzein, Dean of Scientific Research and Graduate Studies - President
- Dr. Hatem Akeel, Vice Dean of CBA – Vice President
- Dr. Ayman Zereban, Academic Advisor For Graduate Studies Program
- Dr. Hussein Reda, Head of Industrial Engineering, Member
- Dr. Ameen Alharbi, Major of Human Resources
- Dr. Ruaa Bin Saddig, Vice Dean Of CBA For Academic Affairs

The Graduate Studies Council is formed to ensure quality and to support all members who work or study in MBA or MEM. The council duties are:

1. Suggesting general graduate studies strategies and ensuring the correct application
2. Collaborating with collages to organize Graduate programs
3. Suggesting general admission conditions and ensuring the correct application
4. Making recommendations regarding new programs and comparing them with already existing programs
5. Making recommendations regarding graduate studies curriculums
6. Deciding on all matters concerning graduate students
7. Setting rules and regulations for dissertations, scientific research, examiners comities, and research marking criteria
8. Quality control



## Rector Welcomes The Catholic University of the Sacred Heart



**F**ounded in Milan in 1921 is the only university in Italy with campuses all over the country: in Milan, Piacenza, Cremona, Brescia and Rome – which is also home to the Agostino Gemelli General Hospital.

The Catholic University of the Sacred Heart offers many undergraduate and graduate courses and opportunities for summer training in Business, Finance, Law, and Economics, insurance, advertising, and media.

Ms. Margharita Biskwi, head of the international relations visited UBT on the 10<sup>th</sup> of May and met with UBT Rector Prof. Osama Jannadi and other faculty members from Jeddah College of Advertising and the Deanship of Scientific Research to discuss areas of collaboration that includes summer training and student exchange. The collaboration between both universities is due to take effect in Summer 2019.



**Loughborough  
University**

## Loughborough University Visit



**A** delegation from Loughborough University along with Qobolak Study Abroad Company visited UBT to discuss the Ph.D. studies on the 23<sup>rd</sup> of July.

Loughborough University is named the University of the Year 2018, and is rated among the top universities in areas like student experience, Guardian University League, student support, and research.

Leader in Knowledge Management Ms. Gillian Ragsdell and International Officer Will Burns, met with Deans from UBT to discuss areas of collaboration between the two universities. Following they presented to UBT staff their colleges and the areas

they can supervise under, which include:

- Aeronautical and Automotive Engineering
- Architecture, Building and Civil Engineering
- Arts, English and Drama
- Business and Economics
- Chemical Engineering
- Computer Science
- Design
- Mechanical, Electrical and Manufacturing Engineering, among other areas

In addition, Ms. Gillian gave the attendees tips and hints about writing a successful proposal, and she answered many questions about studying Ph.D. in the United Kingdom.



## Egyptian Delegation Discusses Research



**A**n Egyptian delegation led by Dr. Waleed Alsulami visited UBT on Thursday the 6th of September to tour the university and to discuss research strategy.

The delegation was welcomed by Mr. Mohannad Dahlan and was offered a tour of UBT Dahban, then they were hosted at the Deanship of Scientific Research.

Dr. Basma El Zien presented the UBT vision and mission and explained the Research Roadmap and the Research Flagships adopted at UBT.

The delegation was impressed at the research efforts, and there shall be areas of collaboration in the near future.



## UBT to Collaborate with Umm Al-Qura University



**V**ice Dean of Scientific Research at Umm Al-Qura University (UQU) Mr. Abdulla Tamim visited UBT on the 9th of August to offer the chance of conducting applied research.

The Deanship of Scientific Research at Umm Al-Qura University aims to make UQU a reliable research reference in science as well as a key pillar in supporting scientific decision-making in Saudi Arabia.

As a first stage of support, the Deanship gives

attention to all segments of knowledge society at the university (professor, associate professor/lecturer, teaching assistant, postgraduate student, undergraduate student). External research support programs included Ma'arefa Program, Saudi Basic Industries Corporation "SABIC" Grant Program, KACST Grant Program, and internal support programs include Ra'ed, Baheth, and Wa'eda.



## UBT to Collaborate with Umm Al-Qura University (continued)



Building research skills and establishing the achievement file of a researcher helps in creating Research Group programs, research center grants, establishing innovation centers or specialized research chairs, all of which pays off in many forms. The most important form is the intellectual property and patents resulting from these researches. Moreover, knowledge transformation of research capacity is clearly manifested in the knowledge economy, which means investing the research capacity in productive outlets such as consulting firms, technology, and business incubators and ac-

celerators. This can positively influence the establishment of start-ups that contribute to social development and meet the national needs of the knowledge economy.

An MOU between the two universities is expected to be signed later this year to support the advancement of innovative research and technology transfer, hence, resulting in more patents, IPs and startups in Saudi Arabia.



## University of Rouen to Collaborate with UBT



**T**he French university, Rouen, visited UBT on the 10th of September. Rector of UBT Prof. Osama Jannadi, Dean of Scientific Research Dr. Basma El Zein, and Vice Rector for Academic Affairs Dr. Weam Tunsu greeted Prof. Alain Kosowski and Miss. Bashira Taama. 2016 marks a pivotal moment for the University of Rouen as the 50th anniversary. For the past fifty years, the university has upheld the same spirit as in the 1960's, among faculty, staff and students alike, encouraging progression in the modern

world. Over the years, the university has developed, both internally and externally, aiming to always progress and enhance the students experience at the University of Rouen. On this note, the two parties discussed providing training opportunities to students in international companies, collaborative research opportunities, and a Ph.D. co-supervision program.

## University of Jeddah Working with UBT



**A**s a result of an MOU between UBT and University of Jeddah (UJ), Dr. Akram Aloqbi, the vice dean for development at UJ visited the Deanship of Scientific Research and Graduate Studies on the 16th of September. The two parties discussed organizing a Scientific Day on November. The Scientific Day is an event that allows faculty members from both universities to explore and build up a research collaboration between science and College of Engineering, College of Business Ad-

ministration, and College of Law. During the visit, Dr. Aloqbi also stressed on the importance of providing training opportunities to students in national and international companies, as students who get hands-on experience are more likely to have a greater understanding of the taught courses materials.



## DarTec Engineering Consultants Visit



**D**arTec is a Saudi engineering office specialized in offering engineering services in collaboration with international partners specialized in the areas of reverse engineering, 3D laser scanning, equipment inspection, and certification. DarTec focuses on providing value-add services that contribute to their customer's success by uncovering their hidden needs, behaviors, and desires which customers themselves find challenging to articulate. Engineering design is not restricted to how things appear and operate; rather, it's about how they function. Thinking like a designer can transform the way organizations develop products, services, processes and strategy. The design-thinking approach that DarTec implements with its customers brings together what is desirable from a human point of view with what is technologically feasible and eco-

nomically viable. It also allows people who aren't trained as designers to use creative tools to address a vast range of challenges.

DarTec chooses to focus its efforts on providing value-add services to its customer's experience and lifestyle enrichment to uncover the customer's hidden needs, behaviors and desires which customers themselves find hard to articulate.

MR. Hashim Omar Al-Zain, the CEO of DarTec visited UBT on the 27th of September where he was introduced to research strategy at the university and how research focus on social, economic and industrial development.

The two parties agreed on many areas of collaboration to support UBT students and Alumni in their projects.



**GORDON**  
COLLEGE



**HAMLIN**  
UNIVERSITY



**Ravensbourne**

## Collaborating with Universities Around the World



In order to raise the university's ranking to be among the leading world universities in education and applied research, UBT is working to increase its visibility. On this note, the Deanship of Scientific Research works to form strategic partnerships and collaborations that would benefit all members of UBT in their Ph.D. studies, scientific research, innovation, or projects.

On the 1<sup>st</sup> of May, Dean Basma El Zein and related members of UBT had a conference call with **Ravens-**

**bourne University** and **Gordon College**, London, United Kingdom and **Hamline University**, Minnesota, [the United States to discuss providing:](#)

- Opportunities for student and faculty exchange
- Consultancy
- Opportunities for summer training
- Opportunities for industry requirement
- New research projects



## Change by Exchange- Academic Landscape in Germany



**U**BT hosted the German Academic Exchange Service (DAAD) to inform students and academic staff about the academic landscape in Germany. MR. Michael Alszer presented DAAD on the 14<sup>th</sup> of April, and he elaborated on:

- How does DAAD supports and connects students, academic researchers and universities in Germany and throughout the world?
- What kind of international study and research programs do exist in Germany?
- What are the funding possibilities for students and academic researchers from KSA and how does DAAD support them? Together we will have a look at the DAAD scholarship database and discuss the funding possibilities for Saudi and Non-Saudi students and aca-

ademic researchers.

### The presentation was structured as follows:

1. The German Academic Exchange Service (DAAD)
  - Structure and organizations
  - Budget
  - Goals and tasks
  - DAAD in KSA and the Middle East
2. International study programs in Germany
  - Bachelor programs
  - Master and PhD Programs
  - Postdoc
3. The DAAD Scholarship Database
  - Funding and grants in general
  - Funding for postgraduates
  - Research funding



## Change by Exchange- Academic Landscape in Germany (continued)



#### 4. The German language

- A necessity for a study program in Germany?
- Learning German in KSA

#### About the Speaker:



**Michael Alszer**

Languages & Translation

Lecturer | DAAD Lecturer for German as a Foreign Language

2003 - 2009: (B.A. and M.A.) Translation, Social and Cultural Studies (Arabic, French and German).

2009 - 2012: Lecturer of German as a foreign Language at "Activ Lernen" in Cologne, Germany.

2012 - 2016: University Lecturer and Coordinator at the German Jordanian University in Amman, Jordan. 2013 - 2016: Lecturer of German as a foreign Language / German for Doctors and Nurses at the Language Generation Center in Amman, Jordan.

2016: DAAD Lecturer at the King Saud University in Riyadh, KSA.



## The 26<sup>th</sup> Edition of the “Arab Economic Forum”



**T**he 26<sup>th</sup> edition of the “Arab Economic Forum” was held on the 12<sup>th</sup> and 13<sup>th</sup> of July 2018 at the Four Seasons Hotel in Beirut under the patronage of Prime Minister of Lebanon Saad Hariri.

The Forum is taking place against the background of economic changes in the region represented by the decline in the economic growth and acceleration of economic reform, the sustainable drive to diversify sources of growth, strengthen public finances and stimulate job creation.

### The agenda of the Forum tackled issues including

- Launching the International Monetary Fund’s Report on the Middle East and North Africa.
- The investment in infrastructure in Lebanon after the “Cedar” conference in Paris
- Lifetime Achievement Awards to the Saudi Fund for Development and participation of

Saudi economic delegation.

- Participation of a high-level Egyptian economic delegation from the public and private sectors
- Developing the economic partnership between the Arab countries and Africa
- The investment climate in the region and how to develop and enhance the region's attractiveness to foreign investment, focusing on the experiences of Saudi Arabia, Egypt, Kuwait and Lebanon.

Youth Dialogue: Unlocking the Potential of Arab Youth.

University of Business and Technology was represented in the Forum with the presence of Dr. Abdulla Dahlan and Dr. Basma El Zein Dean of Scientific Research.



## Launching of The International Parliament for Tolerance and Peace



In a global manifestation and a large international media presence, the Global Council for Tolerance and Peace (GCTP) held the first procedural session of the International Parliament for Tolerance and Peace (IPTP) in the main hall of the Maltese Parliament in Valletta on the 6<sup>th</sup> of July, at the invitation of the Speaker of the House of Representatives of Malta, Mr. Anġlu Farrugia, and the President of the Global Council for Tolerance and Peace, Mr. Ahmed bin Mohammed Al-Jarwan and the presence of a 54 heads and representatives of regional

and national parliaments from around the world. Al-Jarwan stressed on what is threatening humanity which includes religious extremism, racial intolerance and intellectual violence. He stressed that "the participation of this number of members of national, regional and international parliaments demonstrates our agreement and our collective recognition of our common need for this kind of inter-parliamentary cooperation in leading a new global culture and channeling public energies towards tolerance and peace".



## Launching of The International Parliament for Tolerance and Peace (continued)



The International Parliament will include a total of five committees on:

- Youth and women
- Legal and legislative matters
- International matters
- Cultivating peace and sustainable development.

And It will serve by focus on establishing a parliament that:

- serves the cause of tolerance and peace
- respects the principles of international democratic relations

- committed to the rules and principles of international law
- respects the principles of national sovereignty
- does not interfere in the internal affairs of any State

Representing the University of Business and Technology in this meeting was Dr. Basma El Zein as vice president for science and academic affairs (community service).

## CBA RESEARCH PUBLICATION ABSTRACT

### The Role of Social Support Systems for Saudi Arabian Students in the United States

Ahmed Asfahani

\* College Student Journal, 2018, Vol.(52), Issue 2

#### ABSTRACT

The aim of this study was to assess the role of social support systems for Saudi Arabian students in the United States. A survey was conducted with Saudi sojourners using the Index of Sojourner Social Support (ISSS) instrument and the Ethno-Cultural Identity Conflict Scale (ECIS) (N=210) and semi-structured interviews (N=15). Saudi students reported that when it comes to adapting to their lives in the United States, they rely on few people (M=3.07) to support them during their stays, thus indicating that they rely on minimal social support networks. This was confirmed by the ISSS data, which provides that students overwhelmingly have limited social support networks. When the ISSS scores were compared to the ECIS scores, the data show that there is a weak negative statistically significant correlation between identity conflict and social support  $r_{s(125)} = -0.200$ ,  $p < .05$ . As social support for the Saudi sojourners increased, their intrapersonal identity conflict decreased. Interview data adds that although the majority of sojourners had small (limited) support systems, those support systems were nevertheless robust and able to assist the students with overcoming obstacles with their academics as well as assimilating, if only temporarily, into American society

**Keywords:** Saudi Arabian students; intrapersonal identity conflict; social support systems; study abroad

## **CBA RESEARCH PUBLICATION ABSTRACT**

### **Enron of Saudi Arabia: Corporate Accounting and Auditing Failures**

**Ayman Mohamed Zerban**

*\*Scientific Research Publishing, Journal of Accounting ,2018, Vol.7, 1-18*

#### **ABSTRACT**

Accounting and auditing failures are still a hot topic despite strong efforts for efficient corporate governance. The motives and attitudes behind decisions and events leading to Enron's eventual downfall appear to be simple. It is individual and collective greed born in an atmosphere of market loose of regulation. The financial results of the company were too good to be true and no sound was heard to criticize the company albeit very few opinions. It was a network to deceive stakeholders. Saudi Arabia government has sought to change its oil-based economy into a modern diversified economy with a more trend towards privatization consistent with 2030 vision "a vibrant society, a thriving economy and an ambitious nation" and in this situation an effective, transparent, accountable, enabling and high-performing government and corporations are an essential pillar for success in order to advance economy including stock market. Corporate governance is intended to increase accountability of corporations and to avoid problems before they occur. An accounting scandal at one of Saudi Arabia's largest telecommunications companies is posing pressure on regulators, as Saudi Arabia moves to open up the Arab world's largest stock market to foreign investors. The Capital Market Regulator in Saudi Arabia banned Deloitte's firm (Bakr Abulhair & Co.) from auditing public companies as of June 1st, 2015, on account of its work for the targeted loss-making company MMG (Mohammad Al Mojil Group). Another scandal in Saudi Arabia is Etihad Etisalat, known as (Mobily), as company's audit committee pointed in their perspective to accounting errors that decreased about \$380 million in previous profits. The aim of this research is to explore what went wrong and the violations of corporate governance rules by highlighting corporate accounting and auditing scandals in MMG (Mohammad Al Mojil Group) and Etihad Etisalat, known as (Mobily). Although what happened at Enron is very well known worldwide, the corporate accounting and auditing failures in the case of Saudi Arabia is unprecedented territory of research.

**Keywords:** Corporate Governance, Accounting and Auditing Failures, Saudi Arabia

## **CBA RESEARCH PUBLICATION ABSTRACT**

### **Corporate Governance and Board of Directors Responsibility in Appointing Senior Managers: A Case in Saudi Arabia**

**Ayman Mohamed Zerban, Abdullah Mohammed Abdullateef Madanim**

*\*International Journal of Business and Management, 2018, Vol. (13), Issue. 1*

#### **ABSTRACT**

Corporate governance is a cornerstone in improving efficiency and creating confidence to attract investors. After collapses of giant companies, worldwide business community are trying to infuse a culture of honesty and integrity in business. Commitment of board of directors and willing of top management and employees to strength corporate governance is essential. Failure to compliance with corporate governance rules will increase operational risk and hence impacting interests of stakeholders. Saudi Arabian Monetary Agency (SAMA) which is the central bank in the Kingdom of Saudi Arabia with Capital Market Authority (CMA) are thriving continuously to strength corporate governance rules for banks and financial institutions. One of the circulars for banks and financial institutions is the requirements for appointments of senior positions in financial organizations with the objective of appointing persons who possess integrity, honesty, and good reputation. Companies should obtain written non-objection form for the appointment of senior managers and it is the responsibility of board of directors to ensure compliance with this regulation. In addition, SAMA issued several guidelines for anti-money laundering, rules for countering fraud and a code of professional ethics of staff. Recently, banks are required to form compliance unit to make sure banks prepare their financials according to International Financial Reporting Standards (IFRS). The aim of this paper is to highlight a case of corporate governance and board responsibilities in one of the financial institutions in Saudi Arabia. The case will be presented to show the mechanism followed by the financial institution and whether it is complied with rules in appointing senior managers and if not what corrective actions are done in order to strength corporate governance principles.

**Keywords:** Board of director's responsibilities; Saudi Arabian Monetary Agency, Corporate Governance

## **CE RESEARCH PUBLICATION ABSTRACT**

### **The Level Of Visual And Musculoskeletal Disorders Among Office Workers In Palestine**

**Yahya Saleh, Ramiz Assaf**

\*ETI Transactions on Ergonomics and Safety, 2018, Vol ( 2 ) , Issue 1

#### **ABSTRACT**

Visual and Musculoskeletal Disorders (VMSD) are one of the occupational diseases prevalent among office workers in the globe. Many studies have been devoted to examine such disorders in developed countries. However, few studies have recently been initiated in developing countries. Among them is this study which aims to assess the prevalence of VMSDs among office workers in Palestine. To this end, a self-reporting questionnaire was designed and distributed to 501 respondents from office workers working in public and private organizations in West Bank, Palestine. The collected data were statistically analyzed performing, ANOVA and Multiple Linear Regression. The results showed that about 62.5% of the sampled workers suffered from the development of at least one VMSD symptom, and about 17% indicated they have one permanent symptom. Besides, gender and age of office workers showed significant statistical differences in the prevalence of VMSD's symptoms. The results of the MLR showed significance in modeling the VMSD's symptoms prevalence. The findings of this study could help the relevant stakeholders in taking engineering and administrative interventions to alleviate the adverse effects of VMSD on office workers' occupational health, safety and job performance.

**Keywords:** Office workers; musculoskeletal disorders; visual disorders; ergonomics; multiple linear regression.

## **CE RESEARCH PUBLICATION ABSTRACT**

### **Quality Cost in Saudi Arabia Plastic and Glass Industry**

**Hussein Reda, Mohammad Kanan**

\*Engineering Management Research,2018, Vol(7), Issue 1

#### **ABSTRACT**

Quality costs are those resulting from producing, identifying, repairing, and avoiding defective products. Quality costs consist of the following four categories Internal costs, failure costs, external failure costs, and appraisal costs. A survey of several plastic and glass industries in Saudi Arabia is conducted. The survey includes a cross representation of manufacturing activities existing in the region. The survey is intended to assess the level of awareness and quantitative estimates of quality costs as related to the plastic and glass industries. The survey design and findings are presented along with analysis. Specific conclusions are drawn regarding quality costs studies and reduction/improvements programs as related to the surveyed industry category.

**Keywords:** TQM, plastic and glass industry, quality cost, quality improvement

**CE RESEARCH  
 PUBLICATION  
 ABSTRACT**

**Modelling of the Usefulness of Carbon Nanotubes as Antiviral Compounds for Treating Alzheimer Disease**

**Hakim Al Garalleh**

*\*Advances in Alzheimer's Disease, 2018, Vol.7*

**ABSTRACT**

The new generations of nano-devices successfully apply with great promise as drug carriers in the treatment of different diseases. The proposed model aims to determine the pharmacological targets and evaluate the bio-safety of usefulness of carbon nanotube conjugated with two different antiviral compounds, Acetylcholine and Ravastigmine, for treating Alzheimer disease. We also obtain the medicinal model mathematically to evaluate the interaction energy arising from encapsulation of each antiviral compound inside the single-walled carbon nanotube. Acetylcholine is modelled as two-connected spheres, while Ravastigmine has two possible structures which are an ellipsoid and cylinder, all interacting with the interior wall of single-walled carbon nanotubes with variant radii  $r_c$ . Our calculations show that the single-walled carbon nanotube of radius  $r_c$  greater than 3.391 Å that will accept both drugs which are quite closer to the recent findings.

**Keywords:** Carbon Nanotubes (CNTs), Alzheimer Disease (AD), Acetylcholine (ACh) (Aricept), Ravastigmine (RAV) (Exelon), Mitochondria (MTCDH), Lysosomes, Van Der Waals Interaction and Lennard-Jones Potential

CE RESEARCH  
PUBLICATION  
ABSTRACT**Fabrication of Microelectrode Ensembles on Thin-film Single Electrodes: The Degradation of Electropolymerized Benzene-1,3-diol Films in Caustic Solutions**

Ahmad S. Barham, Sultan Akhtar, Mohammed I. Alkhatab, Sameer. Y. Jaradat, Brendan. M. Kennedy, Basma. El Zein

\*Materials Express,2018,Vol ( 7), Issue 1

**ABSTRACT**

This paper explores the degradation of poly benzene-1,3-diol films in caustic solutions. A polymer film was deposited on Micrux<sup>®</sup> thin film gold electrodes ( $A=0.008\text{ cm}^2$ ) or gold-coated silicon wafer chips ( $A=1.0\text{ cm}^2$ ). The deposition parameters, exposure time and the concentrations of caustic solutions were optimized to obtain the efficient microelectrode ensembles. The electrochemical behavior of the deposited material was studied by cyclic voltammetry. The final morphology of the films was investigated by scanning electron microscopy (SEM), atomic force microscopy (AFM), and transmission electron microscopy (TEM). Through exposure to caustic solutions, polymer removal from the electrode surfaces resulted in the creation of a microelectrode ensemble. The voids on the surfaces were filled successfully with polyaniline by electropolymerization process. TEM and AFM analyses revealed the existence of polyaniline spherical nanoparticles in the modified films with a diameter slightly above 50 nm. The calculated average inter-pore distance using SEM micrographs was approximately 543 nm for the Micrux<sup>®</sup> electrode, and approximately 860 nm for gold-coated Si-chips. The number density of the pores was equal to  $4.9 \times 10^8$  electrodes/ $\text{cm}^2$  for Micrux<sup>®</sup> modified electrode, while  $2.0 \times 10^8$  electrodes/ $\text{cm}^2$  for gold-coated Si-chips. The present work allows the production of high-density microelectrode ensembles using a cost-effective route, and a platform for a wide range of applications including sensor technology.

**Keywords:** Electropolymerization, Etching, Polyaniline Nanoparticles, Oxidation.

## **CE RESEARCH PUBLICATION ABSTRACT**

### **A System Approach To Natural Resources Utilization**

**Hussein M. Reda**

\*International Journal of Development Research(IJDR),2018, Vol.(8), Issue7

#### **ABSTRACT**

Natural resources are substances deposited by nature within a defined geographical region and used by man. They have a major economic significance in any national economy. However, their economic contribution is only a function of how they are fitted in a multi sector economy. A system approach to natural resources utilization is defined as one which treats resources as a sector in a system of many sectors such as technology, production facilities (e.g. transportation network), manufacturing, trade, and others. Some of the dynamic interactions between the resources, technology, and transportation sectors are discussed. Then, a structure of a system dynamics model is presented including its basic objectives and features. Finally, two examples of feedback loops are presented, followed by general recommendations for further investigation and research

**Keywords:** System Modeling, Resources Utilization, System Dynamics, National Development, Resources and Technology, Resources and Transportation.

**CE RESEARCH  
PUBLICATION  
ABSTRACT**

**A Dynamic Model For Muslim Pilgrims Movement**

**Hussein M. Reda**

\*International Journal of Scientific Research and Innovative Technology, 2018, Vol.(5), Issue 5

**ABSTRACT**

This paper presents a model for simulating Muslim pilgrims movement during Hajj (Pilgrimage to Makkah) using the system dynamics modeling approach. Its objective is to provide better understanding of the pilgrim's movement system. The model also can serve as a planning and analysis tool for studying related issues such as traffic bottle necks, and effect of various transportation modes and traffic regulations and policies on pilgrims flow. In addition, it can facilitate investigating alternative infrastructure design (e.g. roads, parks), or expansion projects.

## **CE RESEARCH PUBLICATION ABSTRACT**

### **Self-cleaning and Self-cooling Photovoltaic System with Feedback Control**

**Issameddin Abdullah , Ali Akayleh, Mohammed Al-Soud, Salah Abdallah**

\*International Energy and Environment Foundation (IEEF), 2018, Vol. 9, Issue 1

#### **ABSTRACT**

One of the most important problems in using photovoltaic systems (PV) is the low power production due to increasing the ambient temperature, and the accumulation of dust on PV panels surfaces. In this work, self-cleaning and self-cooling PV system with feedback control was designed, constructed and operated .The programming method of control of water pumping system is achieved by means of programmable logic controller (PLC)and frequency inverter(FI).The control system consists of two subsystems based upon the same electro-mechanical system .One system for controlling the cooling of PV system by using temperature sensor and feedback system, and the other system for controlling the cleaning of PV system by using huge pressure of water to push away the accumulated dust on the PV surface.

An experimental study was performed to investigate the effect of using self-cleaning and self-cooling system on the electrical power generation at the output of PV system. The electrical power generation at the output of PV modules with self-cleaning and self-cooling system has increased by 34 % and the efficiency by 26 %.

**Keywords:** PV system; Feedback control; Self-cleaning; Self-cooling; PLC system; Frequency inverter.

**ORAL**

**PARTICIPATION IN  
CONFERENCE**

## **How Internet-of-Things (IoT) Making the University Campuses Smart? QA Higher Education (QAHE) Perspective**

**Asim Majeed, Mahmood Ali**

\* IEEE 8<sup>th</sup> Annual Computing and Communication Workshop and Conference (CCWC), 8-10 Jan, 2018, Las Vegas, NV, USA

### **ABSTRACT**

This paper proposes a model to develop a university smart campus enabled through Internet-of- Things (IoT) technology. The infusion of IoT in education embraces the internet-based communication between controllers, sensors and the physical objects. This landscape of modern technology has changed the universities education on a massive scale. Various objects are integrated with sensors, wearable technologies are collecting data with augmented reality and intra-communication is taking place through cloud computing. This IoT paradigm defines the diverse range of parameters for universities identifying opportunities to make them smart urging new interaction between objects and people. This research focuses to make smart rooms, smart parking as well as delivering smart education to students. Index Terms—Internet, Higher, Education, Smart, Campus, University

**Keywords:** Internet, Higher Education, Smart Campus, University

## **PARTICIPATION IN CONFERENCE**

**ORAL**

**RENOWNED SPEAKER**

### **Flexible Quantum Dots Sensitized Solar Cells**

Dr. Basma El Zein, Dr. Mohammad Al Kattab

\* International Conference On NanoTechnology and NanoEngineering, 16-18 Jul, 2018, at Paris, France

#### **ABSTRACT**

Absorption of light, generation of charges carriers (electrons and holes) , the separation of the electrons from holes and their transport to electrodes, are the sequence of events of solar energy conversion.

Different nanostructures have been employed in the structure of solar cells, to improve its efficiency with simple manufacturing process and low cost.

Zero dimensional nanostructures have gained interest due to their unique properties especially tuning their band gap based on their size and multiple exciton generation.

One dimensional nanostructures are promising for PV devices due to several advantages. They offer large surface area, high optical absorption across a broad spectrum direct path for charge transport and high charge collection efficiency.

Graphene has recently emerged as an alternative to ITO substrate as an electrode in solar cells structure. With its remarkable electrical, physical and chemical properties, and high degree of flexibility and transparency; it is considered as an ideal candidate for flexible 3rd generation solar cell, the graphene solar cells an eco-green technology is getting to the same level of ITO based solar cells.

This presentation is about presenting a flexible quantum dots sensitized solar with graphene electrode.

**Congratulations!**

## **CONGRATULATIONS, FOR THE AWARD OF PHD DEGREE**



### **The Impact of EI on the Work Environment in the Kingdom of Saudi Arabia; EI outcomes in a Healthcare Administration Organization**

**Dr. Tariq Shoab**

\* Grenoble Ecole de Management, Grenoble, France, 2018  
Supervised by: Prof. Alessandro Cavelzani

#### **ABSTRACT**

A quantitative research study of the relationship between emotional intelligence, job satisfaction, and organizational performance was conducted at a Healthcare Administration Organization, in the Kingdom of Saudi Arabia. Research in Healthcare has shown a link between job satisfaction and quality outcomes for patients, and therefore, the construct has been identified as an important element for Healthcare organizations. This study investigates the management of organizational behaviour outcomes related to worker productivity, job satisfaction and performance levels, by investigating measures of emotional intelligence, its relative impact and how the characteristics may influence the success of a Healthcare Administration Organization. With focus on the diversity and potential cultural biases in the respondent pool, the analysis will address intervention that may help to achieve positive emotional intelligence outcomes for business management success in the multi-national administrative organization. The study was conducted with 380 employees from The National Guard Healthcare Administration, (KSA). The National Guard Healthcare Administration is a multi-site Healthcare network, that serves the public health sector in KSA. The administrative department is financed and operated by the Kingdom's Ministry of Health, thereby limiting the organizations direct authority to combat shortfalls that are reported to be common in organizational behaviours. A Spearman's rank-order correlation was run to determine the relationship between job productivity and emotional intelligence. Evidence showed, there is a clear, significant relationship between job satisfaction and emotional intelligence and they indeed do impact organizational performance.

# RESEARCHER OF THE MONTH

**Hussein Reda**  
College Of CE

**FEBRUARY**

- HOW MANY PUBLICATION I HAVE? ✓
- I GOT AN AWARD !
- I HAVE AN INVENTION /CREATIVE IDEA !
- I HAVE A HIGH CITATION !

**WHO'S NEXT**  
RESEARCHER OF THE MONTH

**UBT**  
جامعة الأعمال والتكنولوجيا  
UNIVERSITY OF BUSINESS AND TECHNOLOGY

**Ayman M. Zarban**  
College Of CBA

**MARCH**

- HOW MANY PUBLICATION I HAVE? ✓
- I GOT AN AWARD !
- I HAVE AN INVENTION /CREATIVE IDEA !
- I HAVE A HIGH CITATION !

**WHO'S NEXT**  
RESEARCHER OF THE MONTH

**UBT**  
جامعة الأعمال والتكنولوجيا  
UNIVERSITY OF BUSINESS AND TECHNOLOGY

**Ahamd Shawqi**  
College Of CE

**APRIL**

- HOW MANY PUBLICATION I HAVE? ✓
- I GOT AN AWARD !
- I HAVE AN INVENTION /CREATIVE IDEA !
- I HAVE A HIGH CITATION !

**WHO'S NEXT**  
RESEARCHER OF THE MONTH

**UBT**  
جامعة الأعمال والتكنولوجيا  
UNIVERSITY OF BUSINESS AND TECHNOLOGY

**Dina S. Fadaly**  
College Of CBA

**MAY**

- HOW MANY PUBLICATION I HAVE? ✓
- I GOT AN AWARD !
- I HAVE AN INVENTION /CREATIVE IDEA !
- I HAVE A HIGH CITATION !

**WHO'S NEXT**  
RESEARCHER OF THE MONTH

**UBT**  
جامعة الأعمال والتكنولوجيا  
UNIVERSITY OF BUSINESS AND TECHNOLOGY

# RESEARCHER OF THE MONTH

**Mahmood Ali**  
College Of CBA

**JUNE**

- HOW MANY PUBLICATION I HAVE? ✓
- I GOT AN AWARD !
- I HAVE AN INVENTION /CREATIVE IDEA !
- I HAVE A HIGH CITATION !

**WHO'S NEXT**  
RESEARCHER OF THE MONTH

**UBT**  
جامعة الأعمال و التكنولوجيا  
UNIVERSITY OF BUSINESS AND TECHNOLOGY

**Mohammad Zulfeequr Alam**  
College Of CBA

**JULY**

- HOW MANY PUBLICATION I HAVE? ✓
- I GOT AN AWARD !
- I HAVE AN INVENTION /CREATIVE IDEA !
- I HAVE A HIGH CITATION !

**WHO'S NEXT**  
RESEARCHER OF THE MONTH

**UBT**  
جامعة الأعمال و التكنولوجيا  
UNIVERSITY OF BUSINESS AND TECHNOLOGY

**Hakim Garalleh**  
College Of CE

**AUGUST**

- HOW MANY PUBLICATION I HAVE? ✓
- I GOT AN AWARD !
- I HAVE AN INVENTION /CREATIVE IDEA !
- I HAVE A HIGH CITATION !

**WHO'S NEXT**  
RESEARCHER OF THE MONTH

**UBT**  
جامعة الأعمال و التكنولوجيا  
UNIVERSITY OF BUSINESS AND TECHNOLOGY

**Isameddin Abdullah Amarneh**  
College Of CE

**SEPTEMBER**

- HOW MANY PUBLICATION I HAVE? ✓
- I GOT AN AWARD !
- I HAVE AN INVENTION /CREATIVE IDEA !
- I HAVE A HIGH CITATION !

**WHO'S NEXT**  
RESEARCHER OF THE MONTH

**UBT**  
جامعة الأعمال و التكنولوجيا  
UNIVERSITY OF BUSINESS AND TECHNOLOGY

## RESEARCH WORKSHOPS



**D**SR supports UBT's research mission and solve problems facing the business sector and the whole economy in Saudi Arabia and the region, in line with Saudi Vision 2030 and the Development Plan 2020. The Deanship brings together faculty members, staff, and students, unifying their efforts to develop interdisciplinary approaches to goal-oriented problems by linking researchers and the industry together, providing an opportunity to solve current issues facing the Saudi community and economy. DSR is organized three workshops dedicated for researchers during May and June 2018, presented by Dr. Basma El Zein.

### About the Speaker:



**Dr. Basma El Zein**  
Dean of Scientific Research at the University of Business and Technology (UBT), Jeddah, Saudi Arabia

Dr. El Zein has 18 years of experience in academic and research institutions and is a renowned guest speaker at many international conferences on renewable energy and nanotechnology. Dr. El Zein is a grand Judge at Intel ISEF-USA, examiner at King Abdul Aziz city for science and Technology (KACST), and a board member of Arab Investor Award. She is a chair or co-chair on committees of different international conferences. Her research interest is currently in Energy Conversion and Energy Storage. She is also exploring Printed Metal Oxide Batteries.

## RESEARCH WORKSHOPS



Her previous research included Telecommunication, Artificial Intelligence, auto-control and auto-command by programmable logic controllers, and Computer Vision. She has a textbook entitled “Nanostructured materials for Photovoltaic applications”. Additionally, she has one patent filed in the USA related to materials for Solar Cells. Dr. Basma graduated from the University of Lille, France with a Ph.D. in Nanotechnology Engineering with High Distinction for her research Zinc Oxide Nanostructures for Photovoltaic Applications. Her master degree was from the Lebanese University, Lebanon in the field of Electrical and Electronics Engineering with Distinction.

### Research Integrity

The workshop took place at the CEC on the 24<sup>th</sup> of May and was attended by many faculty members from both campuses and **it covered the following topics:**

- What is research
- Research team
- Publication
- Authorship
- Research manuscript
- Publication process
- Research misconduct

## RESEARCH WORKSHOPS



### How to Publish in an international journal

The workshop took place at the CEC on the 31st of May and was attended by many faculty members from both campuses and **it elaborated on the following topics:**

- Publishing In International journals
- Publication ethics
- Publication goals
- Publication strategy
- Cover letter
- Recommending/excluding reviewer
- Decision letters

### How to Write a successful Proposal

The workshop took place at the CEC on the 7th of June and was attended by many faculty members from both campuses and **it covered the following topics:**

- Concept of a successful proposal
- Importance of a proposal when applying for a grant
- General process of grant application for an internal/external grant
- how to reflect the motivation in applying for a specific grant
- General parts of a proposal
- Tips and hints

## **PH.D CO-SUPERVISION PROGRAM**

### **Meeting to Solve Ph.D. Applicants Issues**



**O**n the 28<sup>th</sup> of June, the DSR team met with many Ph.D. students and candidates to hear about issues they are facing in their applications, forms, work, and studies. The meeting took place at the CEC and was attended by more than 20 members of UBT.

The team have listened and documented every issue, and have provided answers and all support possible by contacting the Saudi Ministry of Education or Professors and universities abroad.

## PUBLICATION DEPARTMENT

### Research Support Services



**D**SR Supports UBT members to publish with high quality in high impact factor journal up to the international standards and to generate and transfer knowledge to community, the Publication Department offers the following services:

#### 1. Graphical support office:

- Design and create presentations
- Provide manuscript figures
- Provide graphical abstracts
- Provide journal covers
- Create a scientific illustration
- Organize paper format

#### 2. Publication Verification & Translation office

- Check plagiarism with Turnitin (Moodle)
- Proofreading/ English editing for the paper before publication.
- Improve grammar, sentence structure
- Translate English to Arabic and Arabic to English
- Organize and Disseminate the recommended list of peer-reviewed and indexed journals to researcher.
- Track the researcher's publication and verify its online publication.

For more information and for requesting a service, kindly visit our website by clicking on the link below.

[Research Support Services](#)



**ITALIAN  
 RESEARCH**  
 D A Y

## Italian Research day

**O**n 14 May, the Italian Consulate General in Jeddah organised a conference entitled “Future Environmental and Biological scenarios between the Mediterranean and the Red Sea”, supported by an impressive interactive exhibition on biodiversity in the Red Sea, organised in association with the Italian scientific community at the King Abdullah University for Science and Technology (KAUST): a futuristic university campus north of Jeddah, which already counts more than 100 Italians between professors, researchers and students. The conference emphasized that the Mediterranean Sea and the Red Sea present fundamental environmental and biological differences, but they also have similarities, and represent a continuum with unique peculiarities. The introduction of the conference was by Italian Consul General Elisabetta Martini. Then many speakers went to the stage starting from Daniele Daffonchio, professor of biosciences, (KAUST), Giorgio Bavestrello, professor of Zoology, University of Genoa and Folco Gioni, researcher in Zoology, University of

Padoa. The conference showcased several exhibitions such as the photographic exhibition that highlighted Red Sea biodiversity. — **SG**

The event was a great success among the public of over 60 scholars who, at the end of the Conference, attended the presentation of the "Study in Italy" website by the staff of the Consulate General.

This topic was specifically chosen to indicate the strong link between Saudi Arabia and Italy, which is the Suez Canal that connects both the countries through the Red Sea and the Mediterranean.

Italy’s Consul General Elisabetta Martini introduced the program. A number of Saudi and Italian experts also attended the conference.

“Italy ranks 8th in terms of scientific publications in the world, and this is something that not everyone knows,” she added.



## Vision 2030 Radio Program Hosts UBT

**T**he Saudi Radio Station Alif Alif FM hosted Dr. Basma El Zein, Dean of Scientific Research to discuss the Vision 2030 and the scientific research in Saudi Arabia.

First, Dr. Basma talked about Universities role in scientific research, elaborating that universities are based on 3 pillars; education, scientific research and community services. Only via the application of these tools universities are then able to serve the Saudi economy and community.

Universities that have contributed to scientific research are:

- King Abdullah University of Science and Technology: 74%
- King Abdulaziz University: 11%
- King Saud University: 4%
- King Faisal Specialist Hospital and Research Center: 2%
- University of Business and Technology: about 200 scientific papers and five inventions

Second, she explained factors affecting the progress of the scientific research, which are:

- Competence of the researcher (attending courses and international conferences hosted by Saudi Arabia)

- Financial support
- workshops and training
- Graduate Studies (Scholarship Programs Offered by the Ministry)
- Infrastructure
- Scientific research topic areas
- The Nature Index; one of the most important indicators, which depends on measuring the scientific contribution of each country.

Dr. Basma then explained the successful practices of scientific research, and how it could generate money instead of depending on it. She added: “at UBT we promote for conducting research under a Research Flagship”. The Research Flagship is an interdisciplinary research group covering researches in Agriculture and food, Water treatment, Energy conversion and storage, Electronics and Communication and IT, Transport and Automotive, Construction and building, and Health from the business, legal, science, technology, and advertising point of view – serving the axes of economic development. It aims to coordinate research efforts to take UBT a step closer to contributing to economic development and serving the community.

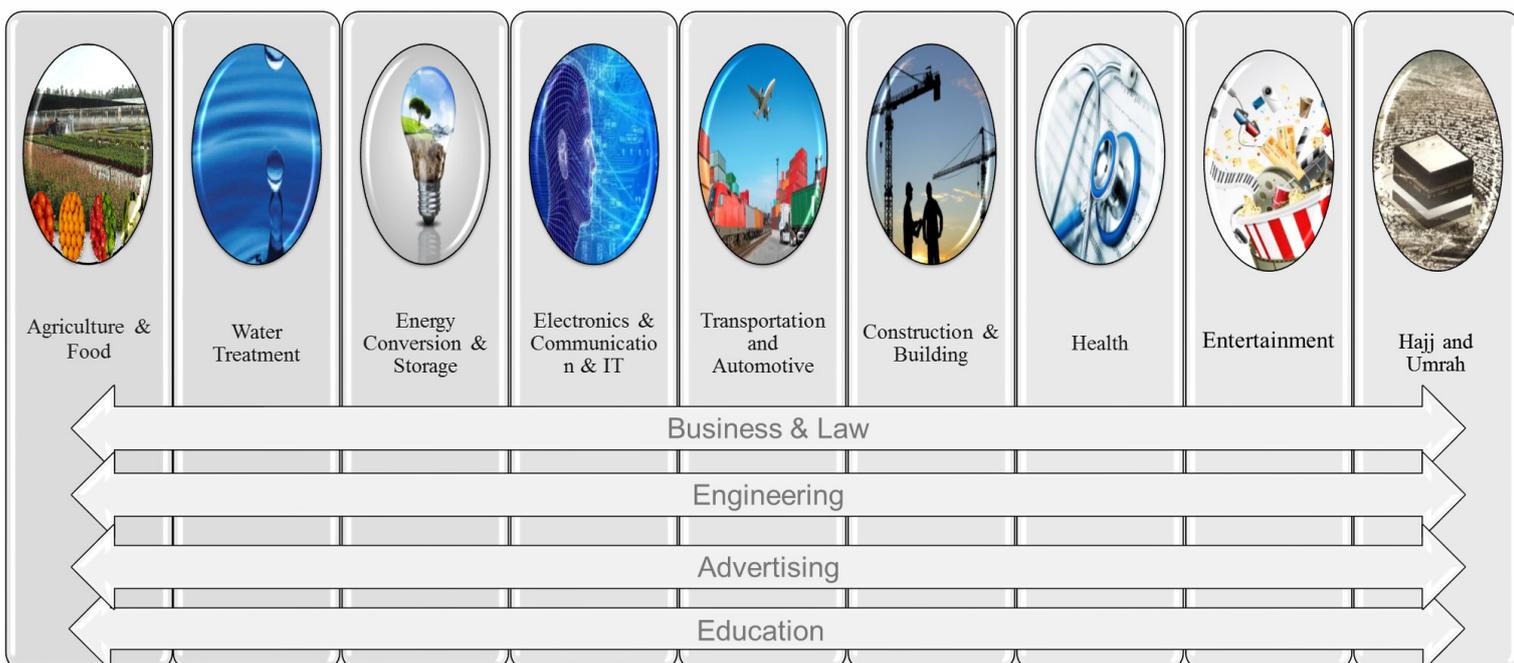
# Call for Participate



## Participate in the Research Flagships

**T**he research flagship is an interdisciplinary research group covering researches in Agriculture and food, Water treatment, Energy conversion and storage, Electronics and Communication and IT, Transport and Automotive, Construction and building, Health, Entertainment, and Hajj and Umrah from business, legal, science, technology, advertising, and education point of view, serving the axes of the economic development. Registering your research interest will guarantee you better opportunities by connecting you with many researchers who are exploring your area of interest from different perspectives. Moreover, coordinating research efforts will take UBT a step closer towards operating the research roadmap effectively, which contribute to economic development and serve the community.

Please, follow this [Link](#) to register.



# SECOND CALL FOR RESEARCH PROPOSAL

**Submit before :  
30<sup>th</sup> of December 2018**

**What to submit :**

- **2 Hard Copies**
- **1 CD/USB Soft Copy**

**CBA**

**CE**

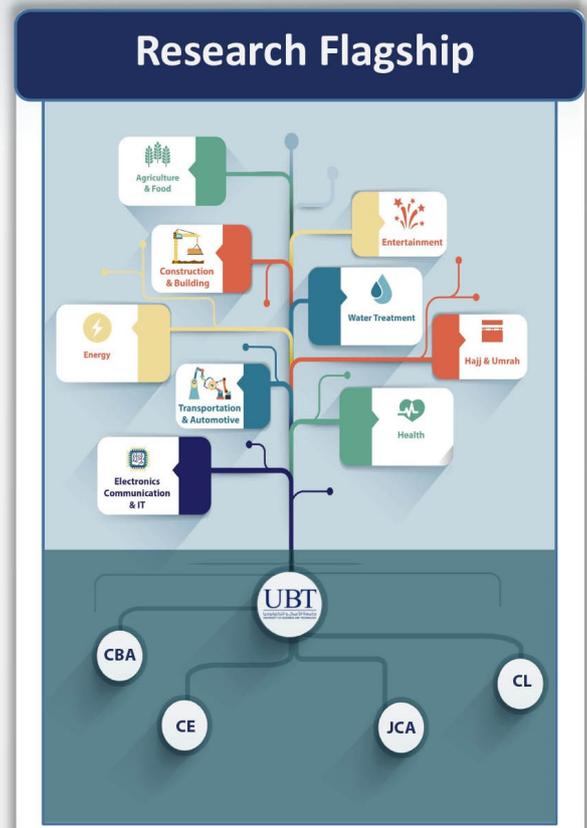
**JCA**

**CL**

## BRIEF PROCESS



## RESEARCH AREAS



# SciVid

Science in Video  
COMPETITION

Submit a two-minute high impact video about your research or a concept in materials science.

To **TEACH**, **AMAZE**, and **AMUSE**  
a broad audience and bring visibility  
to your research!

## CASH PRIZES:

1st Place: \$1000

2nd Place: \$500

3rd Place: \$300

People's Choice: \$700

## EXTENDED DEADLINE:

NOVEMBER 9, 2018

For more information visit  
[www.mrs.org/sci-vid](http://www.mrs.org/sci-vid)

Winners will be  
announced at the...



2018 **MRS**<sup>®</sup>  
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videos on the MRS  
YouTube Channel.



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Co-sponsors:



**Goodfellow**





# 8th Annual Undergraduate Poster Competition

**Abstract deadline: November 10, 2018**

Join us for a week of inspiration  
January 20 - 24, 2019

As part of the Winter Enrichment Program (WEP), King Abdullah University of Science and Technology (KAUST) is hosting its eighth annual Poster Competition. Share and compare your work with peers from across the globe, win prizes and experience life in Saudi Arabia at a premier graduate-level research institution.

**Submit your abstract by  
November 10, 2018.**

While you are at KAUST, you'll present your work, visit our state-of-the-art facilities and be inspired by our faculty and students. You'll also have many opportunities to take part in recreational and cultural activities in our warm, friendly community.

A panel of experts will judge your submissions and will be looking for overall impact, novelty of work, clarity of ideas and creativity. Be sure to submit your best and most creative work!

**Don't miss this fully-funded  
opportunity!**

**We look forward to seeing you!**

**For more details, visit:**

<http://studentopportunities.kaust.edu.sa/WEP/>

**For additional information, please email:**

[weppostersession@kaust.edu.sa](mailto:weppostersession@kaust.edu.sa)

## About WEP

WEP is one of the hallmarks of KAUST and is designed to enrich and inspire students through keynote lectures, workshops, entrepreneurial, cultural, and recreational events that are not typically found in academic programs. The theme of WEP 2019 is "Time". [enrichment.kaust.edu.sa](http://enrichment.kaust.edu.sa)



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FALLING  
WALLS

FALLING WALLS **LAB** 2018

## Falling Walls Lab 2018



**T**he Deanship of Scientific Research hosted the Falling Walls Lab on Thursday the 27th September at UBT Dahban. The Lab is a platform for excellent academics, entrepreneurs and professionals from all disciplines to present their research work, business model, innovative project or idea with peers and a distinguished jury from academia and business. Each participant has a 3-minute time on stage. The most intriguing presenter qualifies directly for the Falling Walls Lab

Finale in Berlin. The Falling Walls Foundation covers the accommodation for the 8-9 November in Berlin. Also, all participants of the Finale receive a ticket for the Falling Walls Conference.

There were many applications from all around the kingdom, 6 applications were accepted.

Jury members were German Consul General Holger Ziegeler, Dr. Taghreed Alsaraj from Takamol Holding, and Mr. Hashim Daghostani, Director of Active People at Saudi Mass Participation Federation. The

FALLING  
WALLS

FALLING WALLS LAB 2018

## Falling Walls Lab 2018 (continued)



jury evaluated the business ideas based on originality and impact and chose the best three proposals. The first place went to Mr. Rayan Turkomani for Breaking the Wall of Bills. His idea is to create a billing application to reduce paper bills in order to save money for business with more than 100 stores. The second place went to Mr. Ahmed Ismael Breaking the Wall of Electrical Load Management, and the third place went to Mr. Ahmed

Akram for Breaking the Wall of Traditional Internal Audit Process.

The Winner, Mr. Rayan Turkomani will travel to Berlin to attend the Falling Walls Lab Finale in November this year.

# Think you can *code*?

Travel to any  
IEEE Conference of  
your choice



20<sup>th</sup> October 2018  
00:00:00 UTC



IEEE Xtreme is a global 24-hour online competition, where IEEE student members solve a set of programming challenges over a 24-hour time frame.

## Who can compete?



- Teams of up to three IEEE student or graduate student members in good standing
- Student Branches can form multiple teams.
- Two graduate students may participate per team.

## Where will it be held?



- This is a virtual, online competition.
- IEEE student branches are a tremendous resource to students during the competition.

## What could I get?



- Fame: Unlimited bragging rights and a resume booster.
- Fortune: The Grand Prize is a trip to an IEEE conference of your choice, anywhere in the world.

## Not an IEEE member?



- If you are not a student member, you can join IEEE for US \$27 or US \$32, depending on location.
- Join today at [www.ieee.org/membership/join](http://www.ieee.org/membership/join)

Follow IEEE Xtreme on



For more info, visit:  
[www.IEEEXtreme.org](http://www.IEEEXtreme.org)





## DSR at Wadi Makkah



**W**adi Makkah is a platform fully owned by Umm Al Qura University that aims to be an Incubator of creativity and innovation, a platform for entrepreneurship, increase and diversify the University resources through investment in tangible and intellectual assets and in knowledge-based production

Wadi Makkah supports innovation and scientific research through three main programs:

**Innovation Center:** Helps the innovators by providing the necessary technical services to transform innovative ideas into economically viable products.

**Accelerator:** helps the entrepreneurs to transform innovative product to startup companies by providing consulting services, training, mentoring, funding, and office spaces, in addition to accessing the market.

**Venture Capital:** designed to provide the necessary investments for the startup companies to achieve the growth and sustainability by connecting them with Angle Investors and Venture Capital networks. In an attempt to collaborate with Wadi Makkah, Dr. Basma El Zein and Mr. Layla Kamal represented UBT and visited Wadi Makkah on the 4<sup>th</sup> of June to



## DSR at Wadi Makkah (continued)



meet with CEO Dr. Faisal Allaf.

**Collaboration between UBT and Wadi Makkah would include:**

- The student internship Programs
- Promotion of the Creative Day
- UBT Commercialization for inventions and products
- Wadi Makkah attending Falling Walls event hosted by UBT to support local inventors

Accordingly, Wadi Makkah offered summer training for UBT students at the following areas:

- Graphic design
- Motion Design
- Marketing
- Production
- Civil Engineering
- Finance
- Management
- Law
- Human Resource Management

UBT – Deanship of Scientific Research (DSR) is pleased to announce

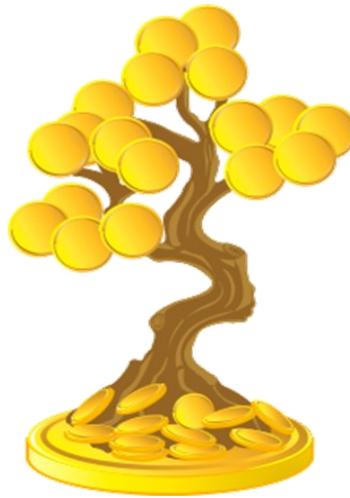
## SEED FUND PROGRAM

**To transfer your innovative idea to industry**

The Seed Fund is a funding mechanism to transfer innovative ideas / research projects to industry by forming new businesses at UBT through the Seed Fund

### OBJECTIVES

- To support UBT student with an early stage fund to be future leaders.
- To build new generations of Saudi entrepreneurs and leaders.



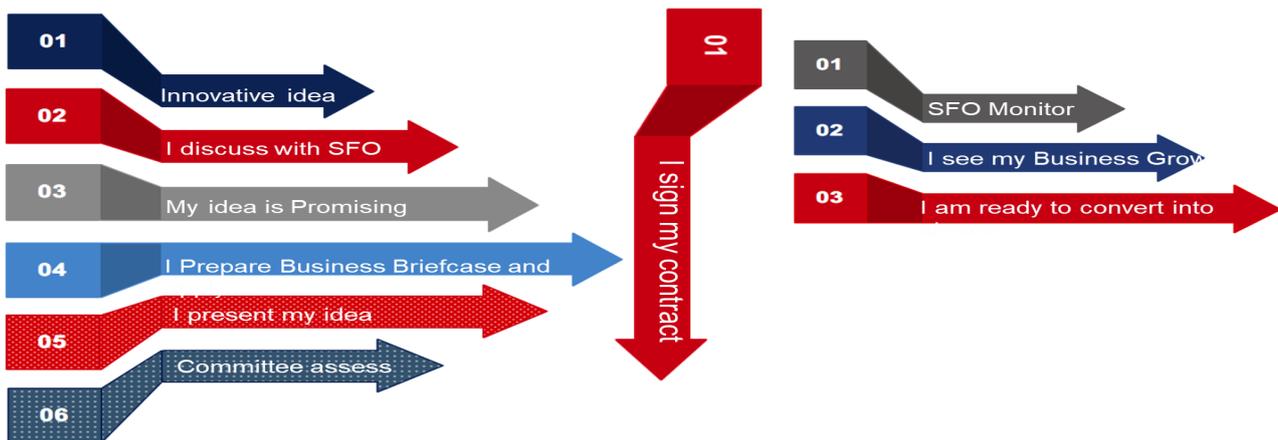
### OUR SERVICES:

- Provides funds up to 20,000 SAR.
- Equipped office space to early stage startup including an access to a shared office and desk, shared meeting room and internet.
- Mentorship and advisorship to entrepreneurs within their journey in developing their own startup.

### Pre-Award

### Award

### Post-Award



### TERMS OF PARTICIPATION:

- Cross disciplinary projects involving team members from other colleges. Faculty/staff/external partners are only advisors.
- Team with a minimum of one UBT student.
- The idea or research projects must be new and innovative solving a real world problem serving vision 2030.
- The registration will be closed on 30<sup>th</sup> of December to be awarded in January.

For further information: please contact us on: [DSR@ubt.edu.sa](mailto:DSR@ubt.edu.sa); +966122159353

### تعلن جامعة الأعمال و التكنولوجيا عن توفر برامج ماجستير بتخصصات جديدة



ماجستير الموارد البشرية



ماجستير المحاسبة



ماجستير المالية



ماجستير التسويق



ماجستير إمدادات الأعمال



#### شروط القبول:

- شهادة بكالوريوس من جامعة معترف بها
- معدل لا يقل عن 3.25 من 5 او 2.25 من 4
- اختبار ايلتس بدرجة لا تقل عن 5.5 او توفل 61
- توصيات أكاديمية
- خطاب الغرض من الدراسة
- اجتياز المقابلة الشخصية مع لجنة القبول

لا داعي للغربة عن  
أرض الوطن.. برامج  
ماجستير متخصصة  
بجودة عالمية..

إبتداء من  
فصل الربيع  
م 2019

#### امتيازات الدراسة:

- مواكبة لمتطلبات سوق العمل ضمن برامج الدراسات العليا في كلية إدارة الأعمال.
- أعضاء هيئة تدريس متخصصين من ذوي الخبرة و الكفاءة العلمية.
- 36 ساعة دراسية لمدة أربعة فصول.
- القبول للطلاب و الطالبات.
- باللغة الانجليزية.
- أقساط ميسرة.

التعليم من أجل العمل

2018							
	Aug	Sep	Oct	Nov	Dec	Jan	
1	We	Sa	Mo	Th	Sa	Tu	Fr
2	Th	Su	Tu	Fr	Su	We	Sa
3	Fr	Mo	We	Sa	Mo	Th	Su
4	Sa	Tu	Th	Su	Tu	Fr	Mo
5	Su	We	Fr	Mo	We	Sa	Tu
6	Mo	Th	Sa	Tu	Th	Su	We
7	Tu	Fr	Su	We	Fr	Mo	Th
8	We	Sa	Mo	Th	Sa	Tu	Fr
9	Th	Su	Tu	Fr	Su	We	Sa
10	Fr	Mo	We	Sa	Mo	Th	Su
11	Sa	Tu	Th	Su international Quality day	Tu	Fr	Mo
12	Su	We	Fr	Mo	We	Sa	Tu
13	Mo	Th	Sa	Tu	Th	Su	We
14	Tu	Fr	Su	We	Fr	Mo	Th
15	We	Sa	Mo	Th	Sa	Tu	Fr
16	Th	Su	Tu	Fr	Su	We	Sa
17	Fr	Mo	We	Sa	Mo	Th	Su
18	Sa	Tu	Th	Su Entrepreneur rship Day	Tu	Fr	Mo
19	Su	We	Fr	Mo	We	Sa	Tu
20	Mo	Th	Sa IEEEXTREM E	Tu	Th	Su	We
21	Tu	Fr	Su	We	Fr	Mo	Th
22	We	Sa	Mo	Th	Sa	Tu	Fr
23	Th	Su	Tu	Fr	Su	We	Sa
24	Fr	Mo	We	Sa	Mo	Th IEEE Day	Su
25	Sa	Tu	Th	Su	Tu	Fr	Mo
26	Su	We	Fr	Mo	We	Sa	Tu
27	Mo	Th Falling Walls Lab Jeddah	Sa	Tu	Th	Su	We
28	Tu	Fr	Su	We	Fr	Mo	Th F S D
29	We	Sa	Mo	Th	Sa	Tu	
30	Th	Su	Tu	Fr	Su	We	
31	Fr		We		Mo	Th	

2019

Feb	Mar	Apr	May	Jun	Jul	
	Fr	Mo	We	Sa	Mo	1
	Sa	Tu	Th	Su	Tu	2
	Su	We	Fr	Mo	We	3
	Mo	Th	Sa	Tu	Th	4
	Tu	Fr	Su	We	Fr	5
	We	Sa	Mo <b>Ramadan</b>	Th	Sa	6
	Th	Su	Tu	Fr	Su	7
	Fr	Mo	We	Sa	Mo	8
	Sa	Tu	Th	Su	Tu	9
	Su	We	Fr	Mo	We	10
	Mo	Th	Sa	Tu	Th	11
	Tu	Fr	Su	We	Fr	12
	We	Sa	Mo	Th	Sa	13
	Th	Su	Tu	Fr	Su	14
	Fr	Mo	We	Sa	Mo	15
	Sa	Tu	Th	Su	Tu	16
	Su	We	Fr	Mo	We	17
	Mo	Th	Sa	Tu	Th	18
	Tu	Fr	Su	We	Fr	19
8 <sup>th</sup> Gulf Education Conference	We	Sa	Mo	Th	Sa	20
	Th	Su	Tu	Fr	Su	21
	Fr	Mo	We	Sa	Mo	22
	Sa	Tu	Th	Su	Tu	23
	Su	We	Fr	Mo	We	24
	Mo	Th <b>IP DAY</b>	Sa	Tu	Th	25
	Tu	Fr	Su	We	Fr	26
	We	Sa	Mo	Th	Sa	27
Research Symposium Deadline	Th <b>4<sup>th</sup> Research Symposium</b>	Su	Tu	Fr	Su	28
	Fr	Mo	We	Sa	Mo	29
	Sa	Tu	Th	Su	Tu	30
	Su		Fr		We	31

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