RESEARCH, E-NEWSLETTER

VOLUME 1, ISSUE 1

MARCH-2016

RCC MESSAGE

Welcome to UBT Research E-Newsletter.

Research & Consultation Center (RCC) is delighted to present the first issue of UBT Research e-Newsletter, which is an electronic Newsletter, issued by RCC to represent all research activities at UBT, highlighting the research work of UBT faculty members, their publications, their inventions, and their awards.

Research of the month, seminars, workshops, visits, announcement for coming events will be also accessible in the e-newsletter.

Enjoy reading, and wishing you more publications, inventions, conferences, awards, citations, etc.

INSIDE THIS ISSUE:

HIGHLIGHT

UBT delegation visited King Abdullah City (KACARE)

NANO-Students visited KAUST CoreLab facilities

Technology Transfer office at KAUST visited

DATES TO REMEMBER

♦ **JOURNAL CLUB:**

♦ INVESTIGATING THE PERFORMANCE OF ULTRA-SENSITIVE OPTICAL SENSOR USING PLASMONIC NANOPARTICLES

♦ **WORKSHOP & SEMINARS**

♦ TWO - DIMENSIONAL MATERIALS AND THEIR POTENTIAL APPLICATION ON MONDAY THE 7TH OF MARCH 2016.

♦ TECHNOLOGY TRANSFER, COMMERCIALIZATION, AND ENTREPRENEURSHIP SEMINAR ON SUNDAY THE 13TH OF MARCH 2016

♦ QS SEMINAR ON RANKINGS, RATINGS & EXTERNAL STRATEGIES ON TUESDAY THE 24TH OF MARCH 2016 .

♦ **EVENTS:**

♦ 1ST RESEARCH SYMPOSIUM ON WEDNESDAY THE 30TH

RCC FAMILY

VOLUME 1, ISSUE 1

Dr. Basma El Zein

Director of Research and Consultation Center (RCC)

Basma El Zein, PhD. Director of Research and Consultation Center (RCC). She has 17 years of experience in academic and research institution. Previously, she was appointed as the director of the research and Curriculum development unit at CEIT. She was a Research Scientist at King Abdullah University of Science and Technology (KAUST), and previously a faculty member at Dar Al Hekma University, KSA and an associate researcher at the Institut D'Electronique, Microelectronique et Nanotechnologie (IEMN), Lille, France. Dr.El Zein is a senior member of IEEE, member of ACS, MRS, SPIE, ECS, IET and Lebanese Engineering syndicate. She has been selected as Solar Pioneer by Middle East Solar Industry Association (MESIA) during the World Future Energy Summit (WFES) 2015 in Abu Dhabi..Dr. El Zein gained her master degree in engineering (Electrical & Electronics) with distinction from Lebanese University, Tripoli Lebanon. Then she received her PhD in Nanotechnology Engineering from the University of Lille 1 with high distinction. Her recent research interests include working on nanostructures for third generation solar cells, energy harvesting and energy storage. She gained 2 grants in 2013 from King Abdul-Aziz City for science and technology (KACST) with a fund of 3 million SAR, to support her research on Nanostructures for Photovoltaic applications, where she is mentoring PhD student and collaborating with many international research centers (England, France, Sweden,USA and Switzerland). The main objective of her research is to develop an eco-green with high efficiency and long durability Solar cells. In addition to this, she is exploring new materials such as kesterite, perovskite and protein to be used as light absorber for Solid state sensitized solar cells. Some of her previous researches include: Telecommunication, artificial Intelligence, auto-control and auto-command by programmable logic controllers and Computer Vision.She was received many award such as who's who the world, 2000 Outstanding Intellectuals of the 21st Century in 2010 and Top 100 educators in 2010. She is a reviewer in many international, peer-reviewed journals, the chair or co-chair and on the committee of different international conferences; she published in many international journals and had one patent filed in USA. Dr. El Zein, has long experience in curriculum review and development, she has a diversified knowledge in various scientific streams, coupled with 17 years of experience in teaching, Project management and research. She also supervised 194 final year projects - bachelor degree.

Dr.Milan Zunic

ASSISTANT PROFESSOR

Dear Dr. Milan Zunic
Congratulations for being part of our UBT family
We are confident that you will bring great value with your contribution.
Welcome on board

Milan Zunic was born in Uzice, Serbia, where he finished Grammar School. He got his BSc diploma in Physics and MSc diploma in Material Science at University of Belgrade. He finished his PhD at University Tor Vergata, Rome, Italy in the field of Materials for Environment and Energy. His specialization are Solid Oxide Fuel Cells (SOFC). With 12 years of research experience he was involved in different fields of research, such as: varistors, sensors, SOFC, thermistors, pigments… Now, his main research interest are Solar Cells based on 0-D, 1-D and 2-D nanostructures.

OUR TEAM

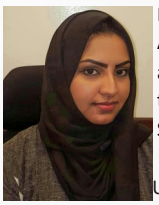
AFNAN NAWAR

RESEARCH ASSISTANT

Mrs.Nawar has Bachelor degree in .Management Information System (MIT) with Honors, from King Abdul-Aziz University in 2009. She has MBA in Finance with Honours, from University of Business and Technology (UBT) in 2015. She has research interested in finance . She is working now as researcher assistant at RCC in 2015.

LAYLA KAMAL

ADMIN



Mrs.Kamal The Executive Administrative Assistant at Research and Consul tation Center (RCC). She has Bachelor degree in Biology from King Abdul-Aziz University. Before joining UBT she was working with KAUST as an ID operator at the governmental affairs office since 2012. She joined UBT in 2015.

ROZAN JALAL

Ms. Jalal is in process of finishing her Master degree in Advertising Design from King Abdul-Aziz University.She received the B.Sc. degree in Print Design & Advertisement from UMM AL-QURA UNIVERSITY in 2009. She participated in a research entitled "Mind image for interactive public services campaigns and it impact on the consumer " in King Abdul-Aziz University 7st Conference for students in 2015. She joined UBT in 2015 as publishing services administrator.

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ABOUT RCC

VISION & MISSION

VISION

leaders in research excellence, creativity and innovation that serve the community and solve the current life problems.

MISSION

To support faculty, staff and students to perform creative and innovative scientific research to develop the business & technology in KSA, commercialize, transfer technology ; to serve the national and international economic development needs in different business sectors

To support faculty, staff and students to perform creative and innovative scientific research to develop the business & technology in KSA, commercialize, transfer technology ; to serve the national and international economic development needs in different business sectors

VALUES:

- INTEGRITY
- SINCERE
- EXCELLENCE & PROFICIENCY
- CREATIVITY & INNOVATION
- TEAMWORK
- QUALITY
- LOYALTY
- RESPECT

GOALS:

- INNOVATION
- ECONOMIC DEVELOPMENT
- COMMUNITY SERVICE

GOLLEGE:

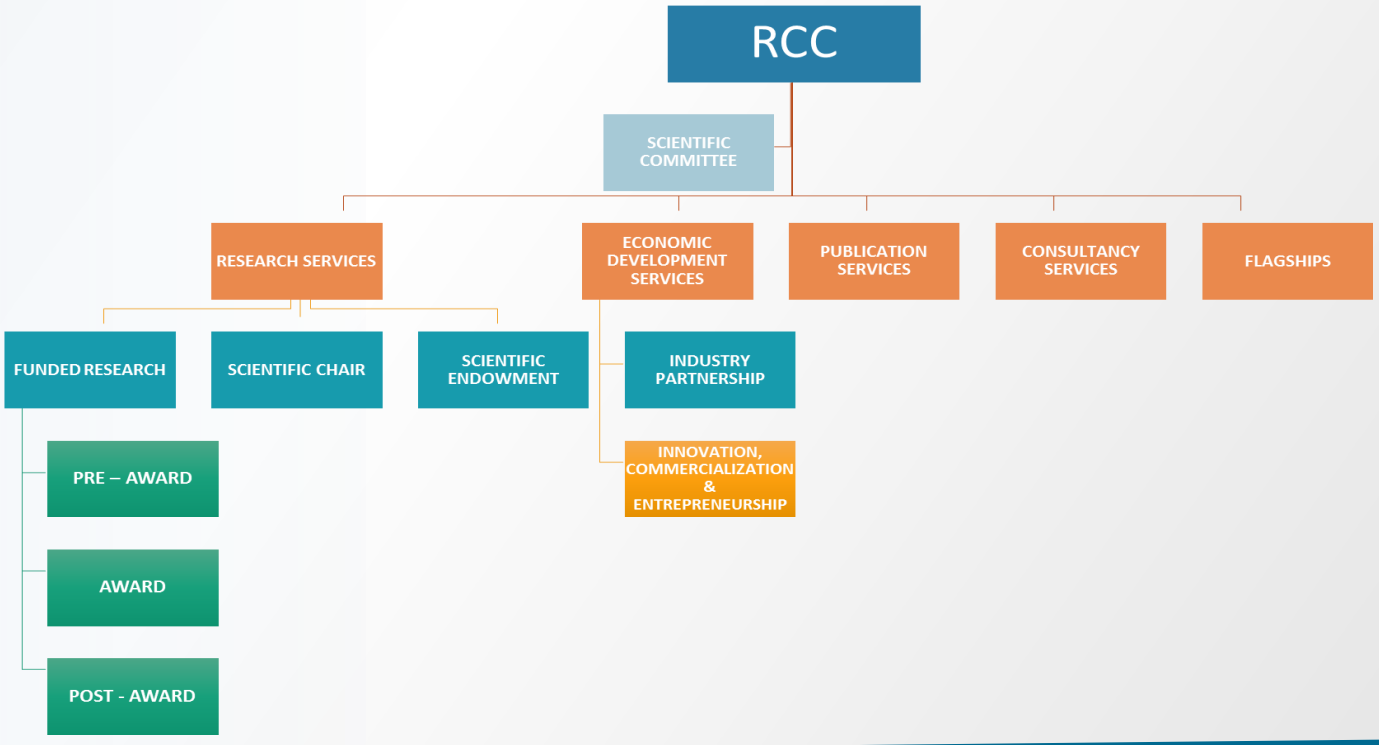
CBA College of Business Administration

CEIT College of Engineering & Information Technology

JCA Jeddah College Of Advertising

RCC is built over 3 pillars

RCC –ORGANIZATION CHART



ABOUT RCC

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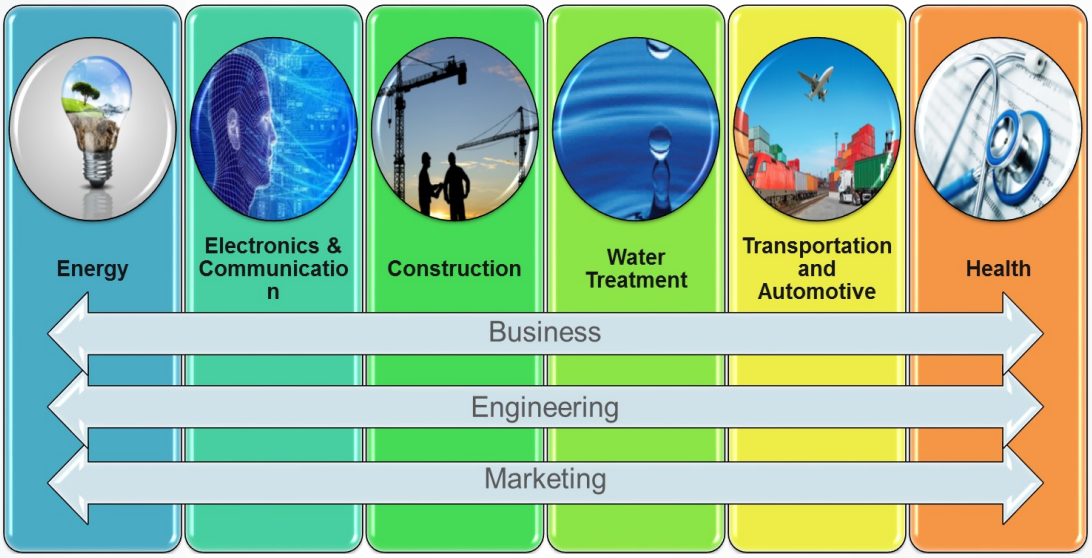
RESEARCH FLAGSHIPS

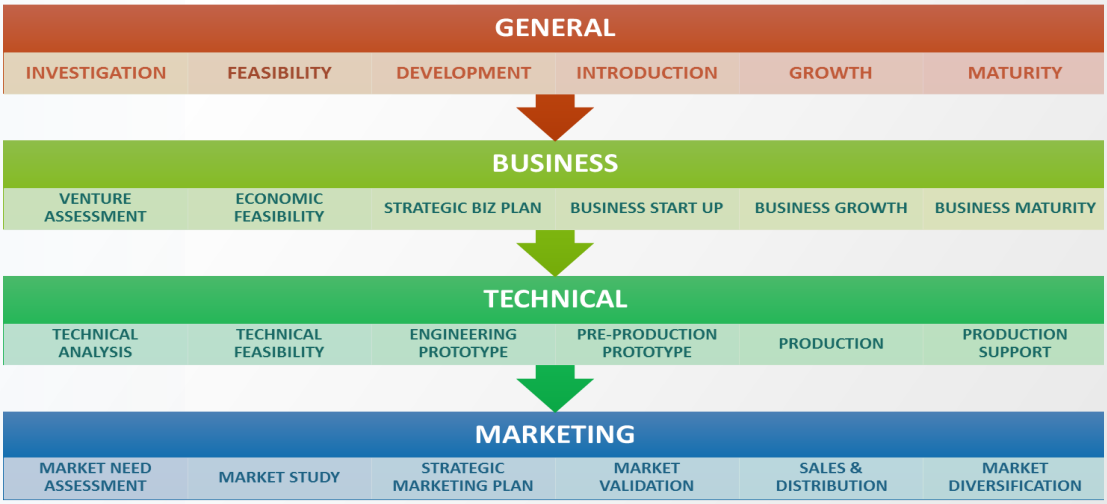


The 6 research flagships that were selected for 2016 consisis OF MULTIDISCIPLINARY GROUP OF RESEARCHERS COMBINING:

- THEORETICIANS
- SCIENTISTS (ALL DISCIPLINES)
- ENGINEERS (ALL DISCIPLINES)
- BUSINESS (ALL DISCIPLINES)
- ADVERTISING (ALL DISCIPLINES)

The research projects over these 6 research flagships will be covering all the perspective (Business, Technical and Advertising)

RESEARCH APPROACH



ABOUT RCC

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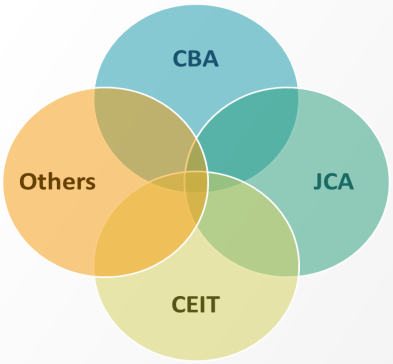
COLLEGES COLLABORATIVE RESEARCH

All UBT colleges will collaborate together forming consortiums in specific Business sectors

Theoreticians
Chemists
Physist
Biologists
Electrical Engineers
Mechanical Engineers
Material Engineers
Electronics Engineers
Computer Engineers
Industrial Engineers
Civil Engineers
Architectures

Businessmen
Sponsors
Entrepreneurs
Economists
Human Resources specialists
Finance specialists
Marketers
Communicators
Commercialists
Lawyers



FROM IDEA TO PRODUCT

Technical | Business & Advertising | Business & Entrepreneurs

The main objective of UBT research is to work on applied research solving real world problem and converting them to products.

RCC ACTIVITIES/ DELEGATION

VOLUME 1,

UBT DELEGATION VISITED KING ABDULLAH CITY FOR ATOMIC AND RENEWABLE ENERGY (KACARE) ON THE 10TH OF FEBRUARY 2016

With the directions of Dr. Abdullah Dahlan, headed by Prof.Hussein Al Alawi, UBT delegation visited on the 10th of February King Abdullah City for Atomic and Renewable Energy (KACARE) in Riyadh , composed of Dr.Salah Abu Nar the Dean of CBA , Dean of CEIT , Dr. Munir Al Hadad and director of RCC , Dr. Basma El Zein.

The delegation met the Head of Research & Development & Innovation sector, Dr.Maher Al Odan , and the consultant Dr. Mona AlHefdi. The delegation presented UBT, and discussed with Dr. Maher the means of collaboration on research projects between UBT and KACARE from Business and Engineering perspectives.

TECHNOLOGY TRANSFER OFFICE AT KAUST VISITED UBT ON 28TH OF DECEMBER 2015

Dr. Soheil Malik and Dr. Sami Bashir from the Technology Transfer office at KAUST , visited UBT on 28th of December 2015. During their visit , they met Prof.Hussein al Alalawi the Rector of UBT and discussed means of collaboration between two universities. Then they made a tour at Dhahban Campus visiting JCA, CBA and CEIT. Finally they met with the Director of the Research and Consultation Center, Dr.Basma El Zein, where they discussed collaboration projects in terms of:

- Conducting workshops on Intellectual properties
- Commercialization and Technology Transfer of Technical Projects
- Consultation for UBT IP policies
- UBT MBA programs for some KAUST students.

RCC ACTIVITIES/ DELEGATION

VOLUME 1, ISSUE

ERASMUS MUNDUS SECRET PROGRAM

ERASMUS MUNDUS
SECRET
Strengthening Research Collaborations in High-Impact and Emerging Technologies

European Commission
ERASMUS MUNDUS

UBT is pleased to join the Erasmus Mundus Action 2 Program "Strengthening Research Collaborations in High-Impact and Emerging Technologies," referred to as SECRET. The Program, which is funded by the European Commission, aims to accommodate scholarship and fellowship opportunities toward the mobility of researchers, students, professionals, and administrators across universities representing EU member countries and universities representing Gulf Cooperation Council (GCC) countries. To note, UBT is the sole Saudi university member of this Program.

A higher education international partnership, SECRET chiefly focuses on STEM areas (i.e., science, technology, engineering, and mathematics) and places particular emphasis on electronics, photonics, biomechanics, informatics, power mechanics, telecommunication, chemistry, and computer technology.

The signature in November 2nd, 2015 and was followed by a kick off event to present the SECRET program to UBT community.

Exchanges can take place between the following partnership Higher Education Institutions (HEIs) in the EU and the GCC:

City University London, UK | University of Magna Graecia, Italy | University of Deusto, Spain | Frederick University, Cyprus | Eindhoven University of Technology, the Netherlands | Technische Universität Dresden, Germany | United Arab Emirates University, UAE | Sultan Qaboos University, Oman | University of Bahrain, Bahrain | Kuwait University, Kuwait | University of Business and Technology, Saudi Arabia.

RCC ACTIVITIES/ DELEGATION

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QS- IN CONVERSATION, MILANO 1ST-3TH FEBRUARY 2016

Female education has become a key development object
tive during the past decades; hence it is crucial to examine
the initiatives, policies, programs and projects that are
formulated toward this goal.

Seminar Objectives

- Exchange experiences in promoting the empowerment of women
- Define a conceptual framework for female leadership in higher education
- Devise educational programs that develop self-confidence in women and raises their self-awareness
- Propose policies that make women's participtation in society more effective

WINTER ENRICHMENT PROGRAM (WEP), KAUST 17TH –19TH OF JANUARY 2016

UBT Delegates participated "LEN STARTUP BOOTCAMP" Two projects were presented by our teams that were very well received and appreciated.

RCC ACTIVITIES

VOLUME 1, ISSUE 1

NANO – STUDENT VISIT KAUST– COR LAB FACILITIES ON 28TH OF JANUARY 2016

UBT Students in the EE 490 – Introduction to Nanotechnology course visited the Core Lab facilities of KAUST on Thursday 28th of January 2016, with a group of faculty members. The student visited the NANO– fabrication and Imaging lab where they had the chance to enter the Clean Room "A cleanroom is an environment, typically used in manufacturing, or scientific research, with a low level of environmental pollutants such as dust, airborne microbes, aerosol particles, and chemical vapors. "

The student were very excited and they enjoyed they very information trip.

RCC ACTIVITIES

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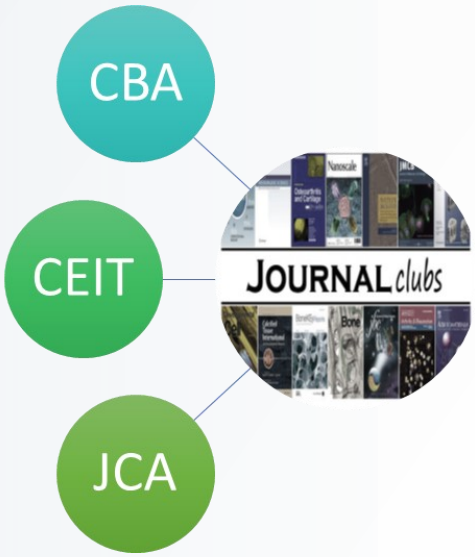
JOURNAL CLUB



Is an opportunity for all professionals to :

- Learn about up to date information in their areas by literature searching, critical appraisal and posing questions.
- Improve presentation skills and receive feedback within an informal forum.

Managed by : UBT-RCC and RCC College Coordinator Presentation: presenter delivers a structures interactive presentation. The content of the presentation is the critical review of a research paper.
Frequency: twice a month, at noon
Targeting : Students & Faculty & external speakers to ensure their research expertise is conveyed to UBT faculty.

SCIENTIFIC CAFES

Business Cafe

Nano Café

Advertising Cafe

Is an opportunity to UBT community to:
Increas awareness and best practice;
♦Meet new people, chat , and ask questions and get answers
♦Provide insight and guidance on specific scientific topic ;
♦Introduce concepts of evidence-based practice;
♦Provide a forum for faculty and students from different departments to network, learn from each other, and discuss scientific information.
It's Managed by : RCC and RCC college Coordinators,
Frequency : once a month
Presentation: causal setting such as coffee houses, local library, Faculty lounge, an informal (no PowerPoint) introduction to an interesting current scientific topic, that presents the theme of the month.
Targeting: Student, Faculty
Presenter : a prominent scientist in a special scientific field

RCC ACTIVITIES/ WORKSHOP

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List of Workshops to be conducted by RCC in collaboration with CBA – CEIT and JCA

Workshops			
Title	Expected date	Speaker	Target
How to Write an Abstract ?	March	TBD	Faculty & students
How to prepare a literature review?	March	TBD	Faculty & students
Tips for a successful proposal	April	Basma EL Zein	Faculty
Writing and publishing your research	TBD	TBD	Faculty
Budget distribution	April	TBD	Faculty
Intellectual properties	TBD	Dr.Sami Bashir	Faculty & students
Oral and poster presentation	TBD	TBD	Faculty & Students
How to increase your citation- h-index	TBD	TBD	Faculty
Commercialization & technology transfer & entrepreneurship	13th of March 29th of May	Dr.Janne Virtapohja	Faculty & students
Business modeling	TBD	TBD	Faculty
Nanotechnology			Faculty & students

TIPS FOR A SUCCESSFUL PROPOSAL

This workshop was conducted on Wednesday 20th of May 2015 at CEIT by Dr. Basma EL Zein.

"A successful grant proposal is one that is well-prepared, thoughtfully planned and concisely packaged". For many researchers, applying for a grant is an ambiguous process. Many faculty members have the feeling that it is either a luck, or the winner has inside connection. Generally, grants are awarded based on a clear review and evaluation process.

In this presentation, RCC will clarify this ambiguous process of preparing a very competitive grant application. The speaker will present the general process of grant application for an internal /external grant, showing how to reflect the motivation in applying for this grant by knowing your sponsor, and his expectations. The General parts of the proposal and the composition of the research team will also be tackled and addressed, in form of tips and hints

RCC ACTIVITIES/ WORKSHOP

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"SUCCESSFUL TECHNOLOGY COMMERCIALIZATION AND IMPERATIVES ON BUILDING ROBUST IP"

This workshop was conducted on 12th of May . Was Presented by Dr. Sami Bachir , Manager & Assistant Chief Licensing Officer at the Technology Transfer, Economic & Technology Development , at King Abdullah University of Science and Technology.

Intellectual Property (IP) has traditionally been viewed as a legal framework to support protection of ideas and inventions where inventors and authors can reap the moral and financial benefits of their discoveries and intellectual outputs. In this presentation, Dr.Bashir, argues that in this era of technology integration, product competitiveness and global market the importance of IP is becoming more critical to ensure not only success of moving inventions to market; but also IP as indispensable tool to support effective collaboration and partnership that is necessary to accelerate the commercialization process. The presentation also highlighted important aspects that is necessary in development of successful IP model not only addressing technical potential of inventions

"INTRODUCTION TO NANOMATERIALS FABRICATION"

This workshop was held on Monday the 25th of May in the chemistry Lab to all CEIT faculty members. The workshop was conducted by Dr.Basma EL Zein; Head of Research Unit –CEIT; and Dr. Milan Zunic; postdoc fellow at King Abdullah University for Science and technology (KAUST). Dr. Elzein and Dr. Zunic presented the different types of nanomaterials that can be used in all applications and some of their fabrication methods where they demonstrated in front of the faculty the growth of ZnO nanowires by hydrothermal Process and the synthesis of Lead sulfide (PbS) quantum dots by successive ionic layer adsorption and reaction technique (SILAR). The objective of the workshop was to present by hands on experience the fabrication of nanomaterial, and to reflect that it is very easy to grow and to synthesize nanomaterials without the need of using very sophisticated equipment. They reflected that nanotechnology is easy to understand and to fabricate. They encourage faculty to start with a simple idea, that can even start at the macro level and to convert it to nano level and study its physical, optical, thermal, electrical and many other properties. The issue starts from reading papers and articles to see what other researchers have already presented as findings.

RESEARCHER OF THE MONTH

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Dr. Ayman Zerban
College of Business Administration (UBT)

Dr. Zerban, holds Bachelor of Commerce from Faculty of Commerce, Accounting Major (Alexandria University, Grade Very Good, 1991), a Master of Business Administration (MBA) from the Arab Academy of Science and Technology (1998) and PhD Accounting and Finance from Essex University United Kingdom (2002). Dr. Zerban was the Chairman of the Accounting Department in College of Business Administration (CBA) Saudi Arabia since September 2004 until January 2006 and was a faculty member in the department until May 2009 after that appointed as Vice - Dean for Education at Graduate School of Business (Arab Academy for Science and Technology and Maritime Transport) from September 2009 - till August 2011. Dr. Zerban supervised many MBA students in their dissertation thesis as well as many DBA proposals. He is currently a faculty member for the accounting department at College of Business Administration Saudi Arabia and Director of Research Unit (CBA). Dr. Zerban interest is in the areas of Financial and Managerial Accounting, Islamic and Corporate Finance as well as Social and Environmental Accounting.

Publication:
Enhancing Accountability of E-Government in Saudi Arabia Public Sector Organizations through Balanced Score-Card, A.Zarban, (2015), International Research Journal of Applied Finance Journal, VI, 11, 712-731.

FACULTY RESEARCH

VOLUME 1,

Rcc would like to Congratulates Dr. Ahmad Shwqi for his Promotion to associate professor. Well done keep up the good work!!

Ahmad Shawqi Barham
CEIT – General Subjects Department

Dr. 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.

Publication:

1. A.Shawqi Barham, The electrochemical polymerization of 1,2 dihydroxybenzene and 2-hydroxybenzyl alcohol prepared in different solutions media, Electrochimica Acta Journal, (2015) ,147,19 - 24

2.A.Shawqi Barham,Moisture diffusion and permeability characteristics of hydroxypropylmethylcelluA, lose and hard gelatin capsules,International Journal of Pharmaceutics,(2015), 478,796 - 803

3.A. Shawqi Barham, Influence of pH on the electropolymerisation of 2-aminophenol and 2-aminobenzyl alcohol, Journal of New Materials for Electrochemical Systems , (2015), 18,37 - 41

4.A.Shawqi Barham, Voltammetric Studies of 1,4-dihydroxybenzene and 4-hydroxybenzyl Alcohol Prepared in Aqueous Solutions at Various pH Values, Journal of the Electrochemical Society ,(2015) , 162, 37 - 41

5.A. Shawqi Barham, Electrochemical studies of 3-aminophenol and 3-aminobenzyl Alcohol in Aqueous Solutions at Dissimilar pH Values, International Journal of Electrochemical Sciences , (2015), 10,4742 - 4751

FACULTY RESEARCH

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DR. ABDULLAH YAQUB SAMARAH
JCA , DEPARTMENT OF COMMUNICATION ADVERTISING

Dr. Samarah He received his BA degree in 1988 from the King Abdul-Aziz University and completed his MA degree in 1995 and M.Phil/Licentiate in 2002 from Gothenburg UV/Sweden. In 2008 he got his PhD from the Exeter University /UK, major of 'Linguistic Communication & Discourse Analysis' Between 1996-2061, he taught as a Senior English Instructor and Assistant Professor in (Business) English, Linguistics, and Research Methodology in both: Sweden and Saudi Arabia. His interest in researches focus on: 'Successful Communication', 'Communication in Advertising', 'Language Acquisition' and 'Cultural and Social Studies'. He is working now as Assistant Professor at the University of Business and Technology in Jeddah College of Advertising

Publication: A.Samarah, Politeness in Arabic Culture, (2015), Theory and Practice in Language Studies Journal , 5 , 10 , 1799 - 2591

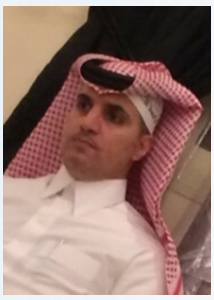
DR. ALI ELRASHIDI
CEIT, ELECTRONICS AND COMMUNICATION DEPARTMENT

Dr.Elrashidi he received the B.Sc. degree in Electrical Engineering from Alexandria University in 2001, the MS Degree from the same university in 2007, and I received Ph.D. degree in Computer Science and Engineering from the University of Bridgeport in 2012. From 2002 to 2008, I was with Electrical Engineering Department, Alexandria University, Egypt, as a lecturer. From August 2012 to August 2013 I was an assistant professor in the Alexandria University before I moved to University of Business and Technology. My research interests are in the areas of electromagnetics and wave propagation, nanosensors and nanoantennas.

Publication:

1. A.Elrashidi, Investigating the Performance of Ultra-Sensitive Optical Sensor Using Plasmonic Nanoparticles, Nanoscience and Nanotechnology Letters Journal, (2015), 7, 1-7.
2. A.Elrashidi, Investigating the Optical Transmission Spectra of Plasmonic Spherical Nano-Hole Arrays, M.Tharwat, Y.Xu, A.Mahros, Plasmonics Journal, (2015), 10, 511 - 517.

DR. AMEEN ALHARBI
CBA, COLLEGE OF BUSINESS ADMINISTRATION



Dr . Ameen Alharbi is currently an Assistant Professor at the CBA, College of Business Administration, University of Business and Technology, Jeddah. He received his PhD degree from the University of Manchester, UK, and he has Awarded Distinctive Financial Reward, by the Saudi Embassy, due to his Academic Excellence. His research interests include strategic human resource management, strategic management, and evaluation and performance management. He has published book, and articles in international journals such as Cambridge Scholars, among others, and has worked as a Private Consultant for Local Investors in Saudi Arabia.

Publication:

1. A. Alharbi, Why Human Resource Management Innovations have many Versions not in Theory but in Practice, Nternational Journal of Academic Research in Business and Social Sciences, (2015) , 5, 214 - 229.
2. A. Alharbi , Diverse Human Resource And Organizational Productivity: Towards An Analytical Framework, International Journal of Human Resource Studies, (2015), 5, 1 - 141

DR. AMR YOUSEF
CEIT, ELECTRICAL ENGINEERING DEPARTMENT

Amr Yousef is an assistant professor with the Electrical Engineering Department at University of Business and Technology, KSA. He was a post-doctoral research associate at Old Dominion VisionLab, USA. He obtained his Ph.D. degree in the Electrical and Computer Engineering from Old Dominion University (ODU) in May 2012 and MSc and BSc. degrees from The Engineering Mathematics Department and The Electrical Engineering Department at Alexandria University in 2001 and 2006 respectively. His research is in nanotechnology, image processing, computer vision and machine learning. He is a member of SPIE, OSA and IEEE.

Publication: A.Yousef, High-Speed Image Registration Algorithm with Subpixel Accuracy, J. Li, M. Karim, IEEE signal Processing letter Journal , (2015) , 22 , 1796 -1800.

FACULTY RESEARCH

VOLUME 1, ISSUE 1

DR. ELSAYED ELFAR
CEIT- ELECTRICAL ENGINEERING

I received the B.Sc. degree in Electrical Power Engineering from Elmenofia University, 1983, the MSc Degree from the Elminia university,1989, and received Ph.D. degree in Electrical Power Engineering from Technical University, Hamburg, Germany, 1994. From 1984 to 1989, was in Electrical Engineering Department, Elminia University, Egypt, as a lecturer. From Feb. 1994 to Sep. 2000, was an assistant professor in the Elmenia University. Sep. 2009 joined UBT, CEIT. Since Sep. 2011, I'm the chairman of the Electrical Engineering. My research interests are in the areas of solar energy, electrical power, applications of nan-technology in High voltage insulations and dielectrics.

Publication: E.Abdel Razek Elsayed, Computer Based Optimum Load Shedding Controller Using Unconstrained Minimization Technique (Case Study), International Journal of Advanced Research in Computer and Communication Engineering , (2015), 4 , 298 -304

ENG.ISAM MASHHOUR ALJAWARNEH
CEIT/ DEPARTMENT OF INFORMATION TECHNOLOGY

Received his Master of Science (M.Sc.) degree in Information Technology from University Utara Malaysia (UUM) in 2008 and his Bachelor's degree in Computer Science from Al al-Bayt University in 2005. He has nearly seven years of academic experience. From 2008 he is a Lecturer of Information Technology (IT) in (CEIT) at (UBT). His current research interests span business intelligence topics. He has extensively taught and conducted several research projects on these topics.

Publication: I.M Aljawarneh, Design of a data warehouse model for decision support at higher education: A case study, Information Development Journal, (2015), 1-16

MOHAMED SHAJAHAN
CEIT, DEPT. OF IT

Education: M.Sc (Computer Science) MS University, India,

Experience:

2013-Present – Lecturer, UBT, KSA

2012 - 2013 – Lecturer, East China Jiaotong University, China

2010 – 2012 – Lecturer, King Aabdulaziz University, KSA

2005 – 2010 – Lecturer, Muslim Arts College, India

2004 – 2005 – Software Engineer,Semanic Solutions Pvt Limited, India

Research Interests:

Image Processing

Software Engineering and Intelligence

Networking

Publication: M. Shajahan, An Image based method for Rendering Overlay Text Detection and Extraction Using Transition Map and Inpaint , International Journal of Scientific Research and Innovative Technology Journal ,(2015) , 2313 - 3759

MRS.Farah Durani
CBA, Department of Finance

Senior lecturer in the Department of Finance, pursuing PhD. in Finance which is nearing completion, had MSc. Finance and BBA from IIUM Malaysia in 2004 and 2002 respectively. She has eight years of experience in teaching a vibrant mixture of courses related to Finance and Economics and is known for her commitment towards renewing Student Centered approaches to learning. Her Research focus lies in the areas of Developmental Finance, Currency Regimes, Monetary Economics, Austrian Economics, Women Education, and Islamic Finance. f.durani@ubt.edu.sa

Publication: F. Durani, A Determinant of Healthy Aging, Women Education in Saudi Arabia, International Business and Economic Research Journal-USA Journal , (2015), 14, 355 -365

RCC ANNOUNCEMENT /JOURNAL CLUB

VOLUME 1, ISSUE 1

RCC Research & Consultation Center مركز الأبحاث و الاستشارات

UBT JOURNAL CLUB

We cordially invite you to CEIT journal club session for spring 2016:

INVESTIGATING THE PERFORMANCE OF ULTRA-SENSITIVE OPTICAL SENSOR USING PLASMONIC NANOPARTICLES

Wednesday 9th of March 2016
12:0013:00
Anguari lecture hall

Ali Elrashidi
CEIT, Electronics and Communication Department

He received the B.Sc. degree in Electrical Engineering from Alexandria University in 2001, the MS Degree from the same university in 2007, and He received Ph.D. degree in Computer Science and Engineering from the University of Bridgeport in 2012. From 2002 to 2008, He was with Electrical Engineering Department, Alexandria University, Egypt, as a lecturer. From August 2012 to August 2013 He was an assistant professor in the Alexandria University before He moved to University of Business and Technology. His research interests are in the areas of electromagnetics and wave propagation, nanosensors and nanoantennas.

ABSTRACT

An ultra-sensitive gas nanosensor using plasmonic nanoparticles of different metallic materials such as gold, silver, copper and vanadium dioxide is introduced in this paper. The surface plasmon resonance of plasmonic material is depending on the refractive index of surrounding medium such as generic organic polymer where the refractive index is changing according to gas concentration in contact with its surface. Refractive index sensitivity and half width full maximum of the optical incident wave for different metallic nanoparticles is simulated using finite difference time domain method. Half wavelength full maximum HWFM and refractive index sensitivity are compared for different refractive indexes of single and two different sizes of different metals plasmonic nanoparticles. The effect of changing radius of the nanoparticle is also introduced for both single and two different sizes nanoparticles. Maximum refractive index sensitivity, 580 nm/RIU, is obtained using two different size gold nanoparticles by using the proposed structure.

UBT UNIVERSITY OF BUSINESS & TECHNOLOGY

CEIT · CBA · JCA · MBA Master of Business Administration · ELA ENGLISH LANGUAGE ACADEMY · CEC

RCC ANNOUNCEMENT /SEMINARS

We cordially invite you to attend the seminar entitled :

Two-dimensional materials and their potential applications

Atomically thin 2D Transition metal dichalcogenide (TMD) materials provide a wide range of basic building blocks with unique electrical, optical, and thermal properties which do not exist in their bulk counterparts. Our recent demonstration in vapor phase growth of TMD monolayer [1] has stimulated the research in growth and applications [2].

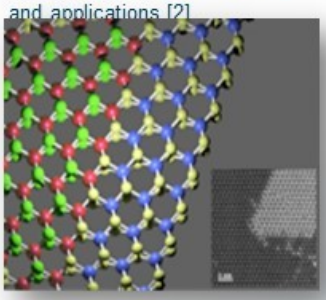


Fig. 1 Lateral heterostructure of MoS2 and WSe2 monolayers

In this presentation, I would start with the discussion on the synthesis and characterizations of crystalline MoS2 and WSe2 monolayers. These layer materials can be transferred to desired substrates, making them suitable building blocks for constructing multilayer stacks for various applications [3].

Heterostructures of 2d materials formed by vertical stacking have been realized recently via transfer of their exfoliated flakes, where their properties are dominated by the stacking orientation and strength of interlayer coupling. The method to determine valence band and conduction band alignment for various TMD materials is proposed [4]. Another very attractive structure is the lateral heterostructure, where the junction is atomically sharp and the active region can be as narrow as few strings of atoms at the junction areas. This structure offers much easier band offset tuning since materials are spatially separated. The direct growth of such lateral heterostructures will be presented (Figure 1) [5]. These unique 2D heterostructures have abundant implications for many potential applications.

[1] Y.-H. Lee et al. Adv. Mater. 24, 2320 (2012)
[2] M. Chhowalla et al. Nature Chem. 5, 263-275 (2013)
[3] C.-H. Chen et al. Adv. Mater. 26,4838 (2014)
[4] M.-H. Chiu et al. Nature Comm. 6, 7666 (2015)
[5] M.-Y. Li et al. Science 349, 524 (2015)

Monday
7th March , 2016
12:00-13:00
Anguari lecture hall

Lain-Jong Li

Physical Sciences and Engineering Division, KAUST,

Li received a BSc and an MSc in chemistry at National Taiwan University. After 5 years of R&D at Taiwan Semiconductor Manufacturing Company (1997-2002), he obtained his PhD from Oxford University in 2006. He was an assistant professor in Nanyang Tech. Univ. Singapore (2006-2009). Since 2010, he has become an Associate Prof. at Academia Sinica Taiwan and he started his Associate Professorship at KAUST in 2014. He has obtained Humboldt Research Fellowship for Experienced Researchers (Germany 2011) and Career Development Award Taiwan (2010). He has received Academia Sinica Research Awards and Wu Ta-Yu Research Awards in 2013. He is now having > 10750 citations, more than 210 SCI journals and h-index is 54 (ISI Web of knowledge). He is also a CTO of one start up company in Taiwan.

Website:
http://2dmaterials.kaust.edu.sa/Pages/Home.aspx
http://www.researcherid.com/rid/D-5244-2011

TECHNOLOGY TRANSFER, COMMERCIALIZATION , And ENTREPRENEURSHIP SEMINAR

Technology is a core competency needed to achieve a competitive advantage for companies and industries. Managing technology competitively is a profession that requires the understanding of a complex set of knowledge. The Seminar and Short Course provides a holistic approach to understand all relevant aspects of technology transfer, technology commercialization, technology-based entrepreneurship, and deep industry-university-government engagement. The Seminar and Short Course are based on both practical and theoretical combination of dimensions to understand and manage technology and innovation. The Short Course is given in the form of lectures, based on a rich list of case studies.

Sunday, 13th of March at CEC- Jeddah ; From 13:00 to 15:00
To All UBT Faculty, staff and students

Learning Objectives:

After completing the Seminar and the Short Course attendees will have the knowledge and understanding of :

- Organizational and personal dimensions of technology transfer,
- Commercialization,
- Entrepreneurship,
- Deep industry-university-government engagement.

Introductory Seminar on Technology Transfer, Commercialization and Entrepreneurship (2h)

- Transfer of Technologies
- Technology Sale
- Licensing
- Further Research Funding
- Entrepreneurship – Establishing Start-up Companies
- Open Innovation Platforms
- Improving Existing Businesses
- Funding
- Creating a New Industry

Dr. Janne Virtapohja
Technology Transfer Professional

is an innovation and technology management professional with more than 20 years of technology transfer, commercialization and entrepreneurship experience. Dr. Janne, a citizen of Finland, is known to be a successful negotiator of complete deals in culturally diverse environments. He works for Saudi Aramco in the Technology Strategy & Planning Department in Dhahran, Saudi Arabia. Dr. Janne is responsible for the oversight of strategic university and industry partnerships of Saudi Aramco. He moved to Saudi Arabia in 2009, and he is a founding member of King Abdullah University of Science and Technology, KAUST. Dr. Janne received a Ph.D. degree in Applied Chemistry in 1998.

RCC ANNOUNCEMENT /SEMINARS

VOLUME 1, ISSUE 1

RCC Research & Consultation Center

We cordially invite you to attend the seminar entitled :

QS Seminar on Rankings, Ratings & External Strategies

the workshop Schedule

TIME	
09:30 AM-10:15	Understanding of QS World University Rankings& QS University Rankings: Arab Region
10:15 AM – 10:30 AM	Preparation of AUST's file for rankings
10:30 AM – 10:45AM	Q&A on rankings
10:45 AM – 11:15	Coffee break
11:15 AM -11:45 AM	QS Stars international assessment & ratings
11:45 AM – 12:00 PM	Q&A on QS Stars
12:00 PM – 12:30 PM	External Strategies to improve AUST's standing
12:30 PM – 01:30 PM	Lunch, conclusion

Tuesday 24th March , 2016
09:30AM – 01:30 PM
Anguari lecture hall

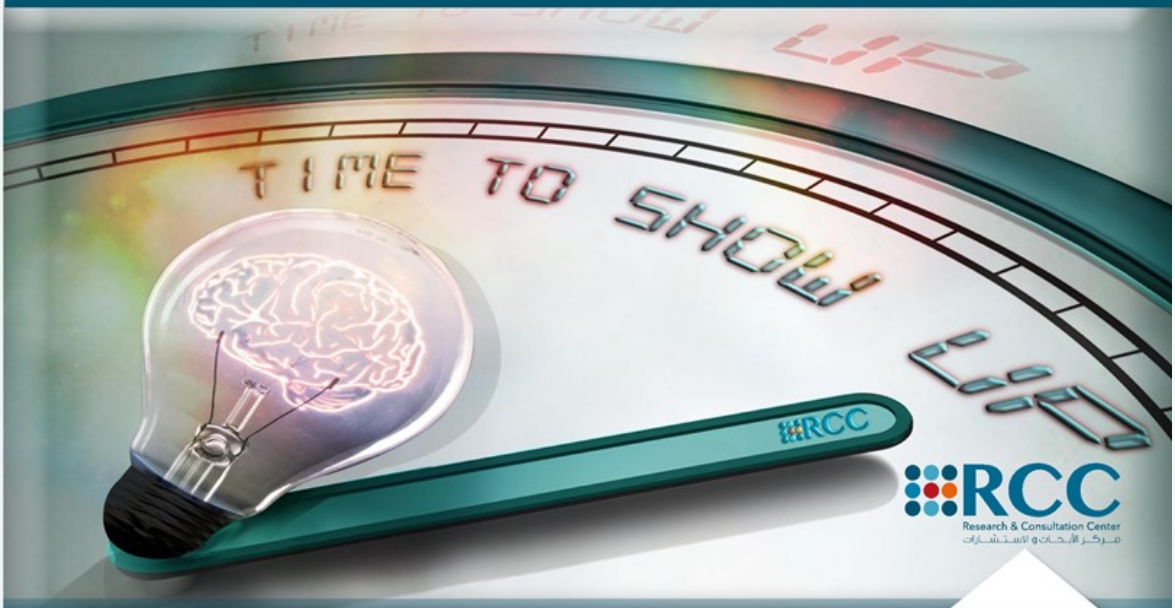
As99hwin Fernandes
Regional Director
QS Quacquarelli Symonds / Singapore Office

Ashwin Fernandes has a Master of Business Administration (MBA) in Marketing degree from the Ulyanovsk State University in Russia along with a Bachelor of Commerce degree in Financial Accounting, Auditing & Taxation from Goa University in India; where he spent most of his early life.
Ashwin also attended a Brand and Reputation program at the Tuck Business School of Dartmouth. He is currently undertaking his PhD on the topic of branding and academic reputation in university rankings.
Ashwin started his career in the oasis of the Middle East – Dubai where he managed international operations in a media and publishing company. Later, he moved to a British media software house where he was responsible for expanding their brand throughout the Middle East and Asia Pacific. He is considered to have a wealth of knowledge related to business operations in these regions, and he possesses proven expertise in branding, advertising and publishing.
In early 2012, Ashwin joined QS Quacquarelli Symonds, making Singapore his new home. Building on his experience, Ashwin is responsible for Middle East, North Africa, India and Sri Lanka operations of QS. He works closely with universities in the region in order to understand their current and future plans and help them optimise their resources. His role is to advise and consult with them on ways to improve their quality, internationalise themselves and create a global brand for their university.
He is also responsible to liaise with governmental and public agencies in these regions to create a strong affiliation with QS, which would help in better understanding the local institutions and helping them promote their country as a whole.
His Excellency Sheikh Mohammed Bin Rashid Al Maktoum, Vice President and Prime Minister of UAE; along with His Highness Sheikh Hamdan Bin Mubarak Al Nahyan, Minister of Higher Education; recently invited Ashwin, to present the first copy of the 10th QS World University Rankings in Dubai to them. Ashwin has also met with the President of India, Honourable Pranab Mukherjee in June 2015 to present the QS BRICS University Rankings. He has also met several leaders and ministers as part of his engagement.
Ashwin has visited universities in over 30 countries, and has a deep understanding of the working of many universities. He has lived in 4 countries and travelled to numerous ones for business and leisure. He has a passion for learning new cultures. He is truly a Global Citizen.

RCC ANNOUNCEMENT

VOLUME 1, ISSUE 1

RCC 1ST Research Symposium (Poster session)



Are you involved in an interesting research Project or in a collaborative research that you would like to discuss or show to your UBT colleagues ?
Why not present your work in the RCC 1ST Research Symposium (Poster session) that will be held in Januory in the Library Dhahban Campus .

RCC welcomed you to participate in its 1ST research symposium , where the best poster for each college will be awarded and recognized on that date. The selection of the best three posters from each college will be done by a panel of judges from UBT .

Instructions:

2. You can participate with max 3 posters
3. the Poster template can be downloaded from the link :
1. Please fill in the registration form
4. Send you PPT version to RCC-Publicationservices@ubt.edu.sa by max 30Th DEC

Looking forward to meeting you there .

For any further information: RCC-Publicationservices@ubt.edu.sa

RCC ANNOUNCEMENT

VOLUME 1, ISSUE 1

RCC Research & Consultation Center

UBT – RCC IS PLEASED TO ANNOUNCE

SECOND CALL FOR RESEARCH PROPOSAL 2015/2016

Date To Remember:
17th of January 2016

What to submit:
- 3 Hard Copies
- 1 CD/USB Soft Copy

BRIEF PROCESS

1. Prepare your proposal with your RCC College Coordinator
2. Check with your HOD Covering 35 working hours per week
3. Check with your RCC Coordinator you last Proposal Version
4. Get the approval of the Dean and Scientific committee
5. Receive External reviewer evaluation report
6. Start your project

RESEARCH AREAS

1. **Flagship Research**
   - A. Water Treatment
   - B. Energy Conversion & Storage
   - C. Electronics & Communication
   - D. Transportation & Automotive
   - E. Construction & Buildings
   - F. Health
2. **Retail Research**
3. **Banking Research**
4. **Integrated Solutions Research**
5. **Curriculum Research**
6. **Communication & Media**

FOR ANY INFORMATION : Rcc-Publicationservices@ubt.edu.sa ; RCC-Researchservices@ubt.edu.sa

RCC –COLLABORATION

VOLUME 1, ISSUE 1

SAUDI ARABIA SOLAR INDUSTRY ASSOCIATION
الجمعية السعودية لصناعات الطاقة الشمسية
SASIA

University of Business and Technology is now officially member of

educational workshops, networking functions, and special reports on breakthrough solar innovations.

The association is currently working on initiatives that bring together leaders from the policy sector, academia, and the private sector. http://saudi-sia.com/

The Saudi Arabia Solar Industry Association (SASIA) is a non-governmental association that helps Saudi Arabia and the Middle East realize the full economic and environmental potential of solar energy.

SASIA provides its members with services such as

Service Agreement – KSA Feb 2016

MOU- Sweden Feb 2016

Member-KSA Nov 2015

Partnership- EU- Nov 2015

MOU- France April 2015

MOU-France April 2015

Project - KSA

MOU- USA

MOU- USA

MOU- UK

MOU-Switzerland

MOU-Sarajevo

MOU-KSA

MOU-KSA

These MOUs covers

- Exchange of Faculty/students
- Common Research and Projects
- Internship and Co-op programs
- Development of New curriculum in Engineering and other disciplines.
- Exchange of Knowledge by organizing events, seminars and workshops
- Exchange of information, documentation and scientific publication
- Collaboration in accepting UBT graduate students and staff in PhD programs

RESEARCH E-NEWSLETTER

VOLUME 1, ISSUE 1

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For ny further information please contact us

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http://www.ubt.edu.sa/RCC/About-us