

# Research Institute of Sciences and Engineering

Office of the Vice Chancellor for Research & Graduate Studies  
University of Sharjah



The purpose of this circular is to provide information on the events organized RISE and research centers and groups in addition to the events organized in collaboration with RISE during the period 1<sup>st</sup> Aug. 2016 to 30<sup>th</sup> May 2018. The events include: International Conferences, Research Forums, Workshops and Seminars. A list of events is presented below:

- **International Conferences**

- 1<sup>st</sup> International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17)
- 8<sup>th</sup> International Forum on Engineering Education (IFEE2017) Advances in Engineering Education Jointly with 4<sup>th</sup> International Conference Towards Sustainable Development (ICTSD2017) Educating Engineers for Sustainability
- 12<sup>th</sup> Middle East Drymix Mortar Conference on the Industrial Manufacturing and Application of Drymix Mortars (Organized by MEDMA)

- **Research Forums**

- 1<sup>st</sup> Sciences and Engineering Research Groups Forum
- 2<sup>nd</sup> Sciences and Engineering Research Groups Forum
- 3<sup>rd</sup> Sciences and Engineering Research Groups Forum

- **Workshops**

- IEEE SS12 Competition: Age of Innovation 'Empathy to Engineering: Solutions for Macro Issues'
- Open Source Workshop Series
- Workshop on Radiation Safety and Protection Training
- Workshop on Blockchain
- A technical meeting on Triple-Helix Series of Projects (Air Traffic Management)
- Workshop on Fiber Reinforced Concrete (FRC): Materials, Applications and Design Aspects
- Recent Advances in Information Security Workshop (RAIS 2017)
- Interdisciplinary Collaboration – Medical & Health Sciences and Sciences & Engineering
- Sustainability in Operations and Maintenance Management: Challenges and Opportunities
- The 1<sup>st</sup> Canada-UAE - Japan International Workshop on: Functional Materials: Synthesis, Characterizations and Applications
- Second Sharjah Regional Workshop on Computational Science and Engineering
- Website Design Workshop

- **Seminars**

- 30 Seminars on Various Sciences and Engineering Topics



Professor Fraser Stoddart, the winner of the Nobel Prize in Chemistry for the year 2016, visited the University of Sharjah between 5-6 Dec. 2017 to share his personal journey and the learning that led him to receive the Nobel Prize in Chemistry in 2016 for the design and synthesis of molecular machines. Two valuable lectures were presented to the faculty and students under the title «Emergent Applications in Nanoscience and Supramolecular Chemistry», and «My Journey To Stockholm», at which he presented his contributions and achievements in the field of molecular machinery and nanotechnology. The visit was organized by the Center of Advanced Materials Research (CAMR) of the Research Institute of Sciences and Engineering (RISE).

In addition to receiving the Nobel Prize in Chemistry for 2016, Professor Fraser received numerous international awards for his outstanding scientific contribution, such as the Albert Einstein Prize in 2008, and was awarded the title "Knight" in 2007 by Her Majesty Queen Elizabeth II and the Royal Medal in 2010.



## International Conferences

### 1<sup>st</sup> International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17)

The International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17) was organized by the Research Institute of Sciences and Engineering, Sustainable Infrastructure & Built Environment Research Center (SIBERC) and the Department of Civil & Environmental Engineering at the University of Sharjah held between 18 - 20 April 2017. The conference aimed to bring researchers from around the world to share their research findings and address issues related to research in the area of sustainable construction materials, structural and infrastructural systems. The major topics of the conference include Sustainable construction materials, Sustainable structural systems, Geotechnical & geo-environmental, Construction, performance, & management, Sustainable transportation & pavement, Water & environment, GIS & remote sensing applications and Sustainable buildings & infrastructures.

For more information, please visit the conference website on:

<http://www.sharjah.ac.ae/en/Media/Conferences/ASCMCES-2017/Pages/default.aspx>



**8<sup>th</sup> International Forum on Engineering Education (IFEE2017) Advances in Engineering Education Jointly with 4<sup>th</sup> International Conference Towards Sustainable Development (ICTSD2017) Educating Engineers for Sustainability**

This conferences, which was organized by the Research Institute of Sciences and Engineering Jointly with the College of Engineering at the University of Sharjah, took place between 18 – 20 April 2017. The conference aimed to bring together educators, researchers, students, professionals, employers, policy and decision makers and other stakeholders from around the world to contribute to the advancement and enrichment of engineering education, research and practice. The IFEE was also intended to promote engineering education as a discipline of scholarship, especially in the Middle East and North Africa.

For more information, please visit the conference website on:

<http://www.sharjah.ac.ae/en/Media/Conferences/IFEE-2017/Pages/default.aspx>



**12<sup>th</sup> Middle East Drymix Mortar Conference on the Industrial Manufacturing and Application of Drymix Mortars**

The 12<sup>th</sup> Middle East Drymix Mortar Conference was held on the 26 November 2017 at the University of Sharjah. This conference was organized by Micro-Conference Pte. Ltd. and moderated by Ferdinand Leopolder, President of drymix.info and Secretary General of MEDMA and endorsed by Sharjah Research Academy and the Middle East Drymix Mortar Association MEDMA. Organization of the conference at the UoS was in coordination with RISE. The conference participants include experts from more than 45 public and private institutions from over 16 countries who contributed to adapting new developments to the requirements in the region.

For more information, please visit the conference website on:

<https://www.drymix.info/>



## Research Forums

**1<sup>st</sup> Sciences and Engineering Research Groups Forum**

The 1<sup>st</sup> Sciences and engineering Research Groups Forum was held on the 9<sup>th</sup> March 2016 under the patronage of H.E. Prof. Hamid M.K. Al-Naimiy, Chancellor of the University of Sharjah. This forum was organized by the Research Institute of Sciences and Engineering to inform the university and wider communities of the research groups, research centers and research support facilities that were established at RISE. Technical presentations were made by the research center directors, research group coordinators and research support facilities coordinators to introduce their entities and highlight their achievements in the fields of science and engineering.



## 2<sup>nd</sup> Sciences and Engineering Research Groups Forum

The 2<sup>nd</sup> Sciences and engineering Research Forum was organized by the Research Institute of Sciences and Engineering on the 9<sup>th</sup> April 2017 under the patronage of H.E. Prof. Hamid M.K. Al-Naimiy, Chancellor of the University of Sharjah. The purpose of the forum was to highlight the research projects and activities undertaken by the various research groups in the fields of science and engineering that serve the sustainable development needs of Sharjah, UAE and the region. The event included technical presentations and an accompanying exhibit.



## 3<sup>rd</sup> Sciences and Engineering Research Groups Forum: Research in Service of the Community

The 3<sup>rd</sup> Sciences and engineering Research Forum was organized by the Research Institute of Sciences and Engineering on the 19<sup>th</sup> April 2018 under the patronage of H.E. Prof. Hamid M.K. Al-Naimiy, Chancellor of the University of Sharjah. The purpose of the forum was to highlight the research projects and activities undertaken by the various research groups in the fields of science and engineering that serve the community needs of Sharjah, UAE and the region.

The event included technical presentations and an accompanying exhibit. The event included signing of three Memorandum of Understandings, technical presentations and an accompanying exhibit.



## Workshops

### IEEE SS12 Competition: Age of Innovation 'Empathy to Engineering: Solutions for Macro Issues'

This competition was organized on the 30<sup>th</sup> May 2018 by the Open UAE Research and Development Research Group of the Research Institute for Sciences and Engineering (RISE) at the University of Sharjah. A total of 16 projects from eight universities from around UAE participated in this competition with six jury members from industry (DESC, TRA, DEWA and Emirates NBD). Three winners were announced by the competition committee as follow:

- 1<sup>st</sup> Place: University of Sharjah: who will compete in Sri Lanka in final round
- 2<sup>nd</sup> Place: University of Dubai
- 3<sup>rd</sup> Place: Abu Dhabi University



### Open Source Workshop Series

This technical talk was organized between the 23-25 April 2018 by the Open UAE Research and Development Research Group of the Research Institute for Sciences and Engineering (RISE) at the University of Sharjah. The participants' explored how open source projects are transforming machine learning and AI due to gradual movement of the AI research and development is towards open technology community development.

#### Speakers:

- Dr Kaoutar ElMaghraoui, IBM Lead from New York
- Open UAE Research and Development Group coordinators:
  - Dr Qassim Nasir
  - Dr Manar Abu Talib



### Workshop on Radiation Safety and Protection Training

This Workshop is regularly conducted and organized by the Ionizing Radiation Research Group, the technical and scientific workshop on radiation safety and protection runs over 24 hours of a mixture of theoretical and practical training sessions during which participants are trained on basic ionizing radiation safety and protection protocols.

The workshop also aims at educating the participant on radiation standards, exposure limits, transportation, storage of radioactive materials. Participants are also trained on risk assessment and emergency plans. The workshop is recognized by the UAE Federal Authority for Nuclear Regulation (FANR) as the training course in compliance with FANR licensing requirements. The workshop is held 4 times every year (in Arabic and English) and caters to safety requirements of radiation workers in industrial, medical as well as education institutions.



### Workshop on Blockchain

This workshop was organized between the 23-25 April 2018 by the Open UAE Research and Development Research Group of the Research Institute for Sciences and Engineering (RISE) at the University of Sharjah. This 2-3 hours' workshop teaches participants some of the common challenges facing business networks and how a new approach to recording and processing transactions that uses blockchain technology can solve some of these challenges.

#### The workshop covered the following concepts:

- Blockchain and distributed ledger systems in a business environment
- Important concepts and key use cases of blockchain for business
- How assets can be transferred in a blockchain network



- The structure and benefits of using Hyperledger Composer, which is an open source project and a suite of high-level business networks
- How to use Hyperledger Composer to model and build a simple business network

### **A technical meeting on Triple-Helix Series of Projects (Air Traffic Management)**

The technical meeting participants' discussed in details the concept, scope, current progress and future projects in the field of air traffic flow management. The meeting included representatives from Dubai Civil Aviation Authority, Dubai Aviation Engineering Projects, Dubai Air Navigation Services, Linkoping University in Sweden, Swedish Civil Aviation Administration (LFV). This event was organized between 24-26th Apr. 2018 by Sustainable Engineering Asset Management (SEAM) Research Group of the Research Institute of Sciences and Engineering (RISE).



#### **Topics Covered & Speakers:**

- Operator tracking and load balancing for ATC operators (OP-TRACK-DXB): Dr. Magnus Bang
- Visualization and management of unmanned air traffic Part I: 3D unmanned air traffic (delivery drones) for Dubai: Lundberg
- Visualization and management of unmanned air traffic Part II: Management of unmanned air traffic : Dr. Ali Cheaitou and Hamdan
- Stochastic air traffic flow management: Eng. Sadeque Hamdan

### **Workshop on Fiber Reinforced Concrete (FRC): Materials, Applications and Design Aspects**

This workshop was organized on the 23<sup>rd</sup> April 2018 by the Sustainable Construction Materials & Structural Systems Research Group of the Research Institute for Sciences and Engineering (RISE) at the University of Sharjah in collaboration with the Structural Design Research Group at the University of Brescia, Italy. The workshop aimed to provide a forum where experts present, disseminate and raise awareness about fiber reinforced concrete technology and its applications in the construction industry. The workshop intended to be a service to local community in UAE targeting professionals, decision makers, practitioners, researchers, and designers to explore the benefits, use and design of sustainable FRC structures in UAE.



#### **Topics Covered & Speakers:**

- FRC Materials and Characterization (European Testing Standards) by Prof. Plizzari Giovanni, University of Brescia, Italy
- Characterization of FRC (US Testing Standards) by Prof. Salah Altoubat, University of Sharjah
- European Design Codes for FRC Structures by Prof. Plizzari Giovanni, University of Brescia, Italy
- US Design Guidelines for FRC Structures by Prof. Salah Altoubat, University of Sharjah
- Applications of FRC in Industrial Flooring by Prof. Plizzari Giovanni, University of Brescia, Italy
- FRC in Precast Concrete by Prof. Plizzari Giovanni, University of Brescia, Italy
- FRC in Tunnel Lining by Prof. Plizzari Giovanni, University of Brescia, Italy
- Potential Applications of Hybrid Fiber Engineered Cementitious Composites (ECC) by Prof. Mohamed Maalej, University of Sharjah
- FRC and ECC for Blast-Resistant Structures by Prof. Salah Altoubat & Dr. Moussa Leblouba, University of Sharjah

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### **Workshop on Recent Advances in Information Security (RAIS 2017)**

The workshop was organized on the 7<sup>th</sup> May 2017 and involved exceptional local and international security researchers to present recent findings in the area of security. The workshop was organized by the Information and Network Security Research Group of the Research Institute for Sciences and Engineering (RISE).

#### **Topics Covered & Speakers:**

- Secure Spatial Data Outsourcing by Eng. Ayesha Talha, University of Sharjah
- Cyber Bullying in Social Networks by Dr. Djedjiga Mouheb, University of Sharjah
- Remote attestation of CPS devices by Dr. Qassim Nasir, University of Sharjah
- Sybil Attack Detection in Mobile Ad Hoc Network by Dr. Sohail Abbas, University of Sharjah
- Role of Muslim Scholars in Developing Information Security by Prof. Salameh M. Al-Bluwi, University of Sharjah
  
- Secure Mobile Agent Systems for Distributed Applications by Eng. Dina Shehada, Khalifa University
- Finding Influential Nodes in Social Networks by Eng. Mohammed Nasser Ba-Huttrair, University of Sharjah
- Blockchain Solutions for IoT Security by Prof. Khaled Salah, Khalifa University
- Protecting CNII Against Cyber Threats: Malaysia Experience by Dr. Zahri Yunos, CyberSecurity Malaysia
- An Engineered Microenvironment for Manipulating Cells in Tissue Regeneration by Prof. Azizi Miskon, National Defense University of Malaysia



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### **Workshop on Interdisciplinary Collaboration– Medical & Health Sciences and Sciences & Engineering**

A joint workshop between the Research Institute of Medical and Health Sciences and the Research Institute of Science and Engineering was organized on the 13<sup>th</sup> April 2017 to highlight an ongoing collaboration and promote future joint activities in the fields of medical and health sciences and sciences & engineering. The workshop was organized by the Research Institute of Sciences and Engineering (RISE) & Research Institute of Medical & Health Sciences (RIMHS).

#### **Topics Covered & Speaker(s):**

- Research Institute of Medical and Health Sciences by Prof. Taleb Al-Tal, RIMHS Director
- Research Institute of Sciences and Engineering by Prof. Abdallah Shanableh, RISE Director
- Medical Colleges Perspective by Prof. Qutayba Hamid, Dean, College of Medicine, Dr. Adel Moselhi, College of Medicine, Hamoudi, College of Medicine
- College of Engineering Perspective by Prof. Soliman Mahmoud, Assistant Dean for Research, College of Engineering
- College of Sciences Perspective by Prof. Madjid Merabti, Dean, College of Sciences & Dr. Amir Khan, College of Sciences



### **Workshop on Sustainability in Operations and Maintenance Management: Challenges and Opportunities**

The workshop participants explored the challenges and opportunities related to the sustainability in operations and maintenance Management. This event was organized between 26-28<sup>th</sup> Feb. 2017 by Sustainable Engineering Asset Management (SEAM) Research Group of the Research Institute for Sciences and Engineering (RISE).

#### **Topics Covered & Speakers:**

- Operation and Maintenance Center in Lulea of technology university by Prof. Uday Kumar, Chair Professor of Operation and Maintenance Engineering at Luleå Railway Research Center
- RISE: resources, opportunities and R&D activities by Prof. Abdallah Shanableh, Director of RISE
- About SEAM: scope of work, opportunities and future plans by Dr. Imad alsyouf, Associate Prof. IEEM dept. and Coordinator of SEAM
- Research priorities and future directions for effective asset management/ effective operation and maintenance of eng Prof. Uday Kumar, Chair Professor of Operation and Maintenance Engineering at Luleå Railway Research Center
- Integrated Ground Penetrating Radar and Infrared Thermography method for bridge deck delamination detection M Dabous, Assistant Prof. CEE Dept. and SEAM Member
- Green Traveling Purchaser Problem Model by Dr. Rim Larbi, Assistant Prof. IEEM Dept. and SEAM Member
- Application of Artificial Intelligence and Global Optimization Techniques for Solving Engineering Problems by Dr. Anwar Prof. ECE Dept. and SEAM Member
- Temperature Monitoring on Reciprocating Compressor Connecting Rods by Prof. M. Affan Badar – Professor & Chair, IE
- Condition monitoring: research trend and opportunities by Eng. Iyad Nouri Alawaysheh, PhD student and Chief Speciali
- Maintenance practices, challenges and lessons learned at Transportation Organization by Dr. Majed Salameh AL Samad – Maintenance Department
- Engineering Asset Management : Issues, Challenges and future directions- /Trends and solutions by by Prof. Uday Kumar of Operation and Maintenance Engineering at Luleå Railway Research Center
- Integrated production and maintenance: Opportunities by Eng. Ahmad Al Shehni, Engineer at Darb Alimtiyaz - MEM Stu



### **Workshop on Functional Materials: Synthesis, Characterizations and Applications – UAE-Canada - Japan Collaboration**

The workshop was organized on the 29-31 Jan. 2017 by the Center of Advanced Materials Research (CAMR) of the Research Institute for Sciences and Engineering (RISE). The workshop participants discussed the synthesis, characterizations and applications of the functional materials.

#### **Topics Covered & Speaker(s):**

- The National Institute of Scientific Research (INRS), Canada by Prof. My Ali El Khakani, Director of the "NanoMat" Group, National Institute of Scientific Research
- Okayama University: Research activities, Collaboration Opportunities and Students Exchange by Prof. Bernard Chenevier, Vice-President of Okayama University in Charge of International Research
- The Research institute of Sciences and Engineering (RISE): Organization, Resources, Opportunities and R&D Activities by Prof. Abdallah Shanableh, Director of RISE





- Metal Organic Deposition of epitaxial perovskite functional oxide thin films by Dr. Kais Douadi, University of Sharjah
- The Effect of bonding temperature on the microstructure and strength of the joint between magnesium AZ31 and Ti-6Al-4V Cu coatings and Sn interlayers by Dr. Abdulaziz AlHazzaa, King Saud University, vice dean for King Abdullah Institute for Science and Technology
- The Pulsed Laser Ablation Route for the Synthesis of Nanohybrid Materials and their Integration into Photoconversion IOPAP by Dr. Ali El Khakani, Director of the "NanoMat" Group, National Institute of Scientific Research
- All-solid-state Reduced Graphene Oxide Microsupercapacitors prepared by Bipolar Electrochemistry by Dr Anis Allagui, University of Sharjah
- Short course: Basics of Nanomaterials (audience: BSc (last year), MSc and PhD students) by Pr. My Ali El Khakani, Director of the "NanoMat" Group, INRS- University of Quebec
- Short course on the Basics of X-ray diffraction technique (audience: BSc (last year), MSc and PhD students) by Pr. Benyamin G. Gowari, Vice-President of Okayama University in Charge of International Research

## 2<sup>nd</sup> Regional Workshop on Computational Science and Engineering

The main focus of this workshop was the Ab-Initio Molecular Dynamics (AIMD). The basic theory was described in details. Moreover, hands-on tutorial sessions were organized, in which the attendees learned how to perform simulations using one of the most widely used packages (Quantum Espresso). The workshop was organized between 11-13<sup>th</sup> Dec. 2016 by the Center of Advanced Materials Research (CAMR) of the Research Institute for Sciences and Engineering (RISE).

### Topics Covered & Speaker(s):

- Overview on ab-initio Molecular Dynamics (MD) by Dr. Oliviero Andreussi
- Molecular dynamics: general theory and analysis of the trajectories by Dr. Oliviero Andreussi
- Introduction to Density Functional Theory (DFT) by Dr. Qteish Abdallah
- Ab initio MD: algorithms and applications by Dr. Davide Ceresoli
- Tutorial 1: Born-Oppenheimer MD with the PW code by Dr. Oliviero Andreussi & Dr. Davide Ceresoli
- Tutorial 2: Large-scale AIMD with the CP code by Dr. Oliviero Andreussi & Dr. Davide Ceresoli
- Tutorial 3: Transport properties from MD simulations and advanced techniques by Dr. Oliviero Andreussi & Dr. Davide Ceresoli



## Website Design Workshop

This workshop was designed to train RISE Staff on how to create and update websites for each research center, research group and research support facility. The workshop was organized on the 1<sup>st</sup> Aug. 2016 by RISE.

**Speaker(s):** Mrs. Anissa Bettayeb, Head of Academic Computing Services Section



## Research Seminars

### **The valuation of new-product introduction strategies Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)  
**Speaker:** Dr. Mohamed Wahab Mohamed Ismail, Professor of Industrial Engineering, Ryerson University.  
**Seminar Date:** 29 Apr. 2018



### **Development of Advanced Semiconductor Materials and Devices for Next Generation Photovoltaics: Opportunities and Challenges**

**Organizer:** Center of Advanced Materials Research (CAMR) of the Research Institute for Sciences and Engineering (RISE).  
**Speaker:** Prof. Mohamed Henini, Nottingham Nanotechnology and Nanoscience Center, University of Nottingham, UK  
**Seminar Date:** 27 Mar. 2018



### **A Vision-Based Kinematic Tracking Control System For Differential Wheeled Mobile Robot**

**Organizer:** Research Institute of Sciences and Engineering (RISE)  
**Speaker:** Eng. Mohammed Baziyad, Autonomous Robotics and Active Vision Research Group  
**Seminar Date:** 18 Mar. 2018



### **Global Optimization Techniques and their Applications to Transistors Modeling Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)  
**Speaker:** Dr. Anwar Jarndal, Mixed Analog-Digital Smart Electronic Circuits and Systems (MADSECAS) Research Group  
**Seminar Date:** 11 Mar. 2018



### **Neutron Thermalization in Uranium Mono-Nitride Seminar: A Potential Fuel Candidate for Light Water Reactors**

**Organizer:** Research Institute of Sciences and Engineering (RISE)  
**Speaker:** Dr. Iyad Al-Qasir, Advanced Materials Simulation & Modeling Group  
**Seminar Date:** 25 Feb. 2018



### **Performance Enhancement of an Automotive Radiator using Metal Oxide based Nanofluids Seminar**

**Organizer:** : Research Institute of Sciences and Engineering (RISE)  
**Speaker:** Dr. Zafar Said, Sustainable Energy Development Research Group  
**Seminar Date:** 15 Feb. 2018



### **Analysis of PR-V-BLAST Receiver for Massive MIMO under Correlated Channel Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)  
**Speaker:** Dr. Khawla Al Najjar, Distributed and Networked Systems Research Group  
**Seminar Date:** 1 Feb. 2018



### **Bio-mediated & Bio-inspired Geotechnics Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)  
**Speaker:** Prof. Edward Kavazanjian, Arizona State University, USA  
**Seminar Date:** 1 Feb. 2018



### **Materials Selection and the Environment Seminar**

**Organizer:** Sustainable Energy Development Research Group of the Research Institute for Sciences and Engineering (RISE)  
**Speaker:** Dr. Claes Fredriksson & Dr. Sami Daouk  
**Seminar Date:** 15 Jan. 2018



### **My Journey to Stockholm Seminar**

**Organizer:** Center of Advanced Materials Research of the Research Institute for Sciences and Engineering (RISE).  
**Speaker:** Nobel Laureate Prof. Sir Fraser Stoddart  
**Seminar Date:** 6 Dec. 2017



### **From Concept (Lab) to Production (Fab) Seminar: Nano-Technology Research, Development, and Manufacturing**

**Organizer:** Center of Advanced Materials Research of the Research Institute for Sciences and Engineering (RISE)  
**Speaker:** Dr. Youssri Botros  
**Seminar Date:** 5 Dec. 2017



### **Emergent Applications in Nanoscience and Supramolecular Chemistry Seminar**

**Organizer:** Center of Advanced Materials & Functional Materials Research Group of the Research Institute for Sciences and Engineering (RISE)  
**Speaker:** Nobel Laureate Prof. Sir Fraser Stoddart  
**Seminar Date:** 5-6 Dec. 2017



### **Sharjah, the Heart of Industry Seminar**

**Organizer:** Sustainable Engineering Asset Management Research Group  
**Speaker:** Eng. Mohammad Abdalla Bin Ali, Director of Excellence in Sharjah Electricity & Water Authority (SEWA)  
Eng. Khalid Khalifa Al Kaabi, Executive manager of Fujairah Plastic Factories Group.



**Seminar Date:** 30 Oct. 2017

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**3D Printing and its Application in Construction Industry Seminar**

**Organizer:** Sustainable Construction Materials & Structural System Research Group

**Speaker:** Mr. Zhu Jianchao, Vice president / Chief engineer of CSCEC ME &

Mr. Mansour Faried, Engineering Director of China State Construction ME

**Seminar Date:** 29 Oct. 2017



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**Sensor Development and Modeling of Manufacturing Processes related to Jet Engines & Turbochargers Seminar**

**Organizer:** : Research Institute of Sciences and Engineering (RISE)

**Speaker:** Jay S Gunasekera

**Seminar Date:** 29 Oct. 2017



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**International PhD program at Malaga University Seminar: How to register there and do your work in Sharjah**

**Organizer:** Environment and Chemical Biology Research Group of the Research Institute for Sciences and Engineering (RISE).

**Speaker:** Prof. Ana Carmen Duran Boyero

**Seminar Date:** 2 May. 2017



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**Estidama Pearl Rating System Rating Residential Projects Seminar**

**Organizer:** Sustainable Engineering Asset Management Research Group of the Research Institute for Sciences and Engineering (RISE)

**Speaker:** Eng. Ahmed Timraz

**Seminar Date:** 21-22 Feb. 2017



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**An Evolutionary Trace of Dwelling Forms in UAE Seminar: The Emirati Villa**

**Organizer:** Research Institute of Sciences and Engineering (RISE)

**Speaker:** Dr. Mamun Rashid

**Seminar Date:** 26 Jan. 2017



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**Cloud Computing Principles and Paradigms Seminar**

**Organizer:** Big Data Mining Research Group

**Speaker:** Dr. Jemal H. Abawajy

**Seminar Date:** 23 Jan. 2017



### **Big Data Analytics Seminar: Challenges, Tools and Techniques**

**Organizer:** Big Data Mining Research Group of the Research Institute for Sciences and Engineering (RISE)

**Speaker:** Dr. Jemal H. Abawajy

**Seminar Date:** 18 Jan. 2017



### **HELP: Facilitating Secure and Efficient Spatial Query Processing on the Cloud Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)

**Speaker:** Ms. Ayesha Muhammad Talha, Information and Network Security Research Group

**Seminar Date:** 22 Dec. 2016



### **Green Technology and Sustainable Products Seminar**

**Organizer:** Sustainable Engineering Asset Management Research Group of the Research Institute for Sciences and Engineering (RISE).

**Speaker:** Eng. Amjad Abu Alika

**Seminar Date:** 18 Dec. 2016



### **Exploration of natural resources of the UAE Seminar: Opportunities and challenges**

**Organizer:** Research Institute of Sciences and Engineering (RISE)

**Speaker:** Prof Ali El-Keblawy, Environment and Chemical Biology Research Group

**Seminar Date:** 15 Dec. 2016



### **Deep water Technology Seminar**

**Organizer:** Sustainable Civil Infrastructure Systems Research Group of the Research Institute for Sciences and Engineering (RISE).

**Speaker:** Dr. Kurian John

**Seminar Date:** 29 Nov. 2016



### **SEWA'S Effort Towards Sustainable Water Management Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)

**Speaker:** Dr. AlaEldin Idris, Sharjah Electricity and Water Authority (SEWA)

**Seminar Date:** 13 Nov. 2016



### **From the Internet of Things to Internet of Energy Seminar**

**Organizer:** Sustainable Energy Development Research Group of the Research Institute for Sciences and Engineering (RISE).

**Speaker:** A.R. Al-Ali, Computer Science and Engineering, American University of Sharjah (AUS)

**Seminar Date:** 10 Nov. 2016



### **Using MapReduce for Community Detection in Social Networks Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)

**Speaker:** Prof. Zaher Al Aghbary, Big Data Mining Research Group

**Seminar Date:** 3 Nov. 2016



### **Evolutionary Computing in Hydrology Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)

**Speaker:** Dr. Tarek Mrabtene, Sustainable Civil Infrastructure Systems Research Group

**Seminar Date:** 20 Oct. 2016



### **Wind Engineering and Wind Tunnel Testing of Structures Seminar**

**Organizer:** Sustainable Civil Infrastructure Systems Research Group & Sustainable Construction Materials & Structural Systems Research Group of the Research Institute for Sciences and Engineering (RISE).

**Speaker:** Dr. Mohammed Al Shaarawi

**Seminar Date:** 11 Oct. 2016



### **Failure: Why Third Generation of Nanoparticles so Successful Seminar**

**Organizer:** Research Institute of Sciences and Engineering (RISE)

**Speaker:** Dr. Ahmed Mohammed, Organometallic Chemistry Research Group

**Seminar Date:** 6 Oct. 2016



### **Contact Information**

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