



Conference Report 2019-2020

1. International Undergraduate Research Conference 2020

Dr Khan (Chair-RIC) welcomed Dr Yingkui (Dean), Dr Rami (ADAA), RIC members, and all the attendees. Dr Khan gave brief introduction of the International Undergraduate Research conference 2020. He told its two day conference in which first day was reserved for the guest speakers and second day for the oral presentation by the students to present their research. Vote of thanks was given by Dr Khan, Dr Rami, Mr Joseph, Ms Rasha to the Guest speakers. As a tradition, Quranic verses read by Mr Hani with English translation. Dr Yingkui share his sincere thanks to the RIC members to organize the research activity in ICEM. Also, conveyed his best wishes for the guest speakers and participants for the oral presentations.

Schedule of the event is below.

Biographies of Guest speakers

1. Dr Mohsin Qazi, *Harvard University, USA*

Dr Mohsin did Bachelors and Master's degree in chemistry from Aligarh Muslim University, India. He further did a research-based master's degree in chemistry at University of Eastern Finland after that he joined Van der Waals- Zeeman Institute of Physics at University of Amsterdam for PhD. After completion of Doctorate, he joined as a post-doctoral Fellow at Rowland Institute of **Harvard University**. His research interests include crystallization, soft matter physics, chemistry of surfaces and interfaces.

Vote of thanks by Mr Mohammed Al Issai

2. Dr Hamaid Mahmood, *Imperial college, London*

Dr Hamaid did BTEK from AMU, INDIA, then Masters from Imperial College, London, He also finished PhD from FATIH SULTAN MEHMET VAKIF UNIVERSITY, ISTANBUL, TURKEY. Currently, he is Assistant Prof in the same university. He also worked as a researcher in IIT, Delhi, and premium university of India. He also worked in Voltas limited, India, and Construction based company in London. Apart from it, he has several research papers in 3 D Technology.

Vote of thanks by Dr Rami

3. Dr.Mohammad Ehtisham Khan, *Yeungnam University, Republic of Korea, Jazan University*

Dr.Mohammad is working as an Assistant Professor at Jazan University, Kingdom of Saudi Arabia, Previously Dr. Khan worked as a Post-doctoral Research Associate in Chemical Engineering, Yeungnam University, Republic of Korea. At present Dr. Khan is teaching several courses in the chemical engineering department and also working in the cutting-edge area of nanosciences, and nanotechnology especially in the field of inorganic materials such as biogenic synthesis metal-metal oxides nanoparticles, carbon materials based on nanostructures/nano composites. The IR applications in photocatalysis, photoelectrodes, photocurrent, antimicrobial performances. His main area of research is the synthesis of carbon-based nanocomposites for various novel applications for energy and environmental. *Dr.Khan has 33 publications in international peer-reviewed journals, conference proceedings, and 4 book chapters* having overall more than *753 citations with 15 h-index and 17-I index.*

Vote of thanks by Mr Joseph

4. **Dr. Sadia shakoor** has done her Bachelor of Science in chemistry from Women's college, Aligarh Muslim university in 2007. Then she did her Masters in Organic chemistry from the Department of chemistry in 2012. She did her Ph.D in the field of applied chemistry in 2017. She worked on the removal of dyes from wastewater by. She was also awarded the prestigious Maulana Azad National Fellowship during her Ph.D which is given to meritorious students. Currently she is working as an online faculty in the Bradford training institute for engineers teaching environmental and chemical engineering and also guiding the masters and project students.

Vote of thanks by Ms Rasha

Below is the list of guest speakers and their titles

**Programme Details
Day 1 – 30 Aug 2020**

10 am-10.10 am		Recitation and Opening ceremony
10.10 am- 11.00 am	Dr Mohsin Qazi Harvard University, USA	Role of research and innovation in the progress and growth of Nation
11.00 am – 12.00	Dr Hamaid Mahmood Imperial college,UK, Fatih Sultan Mehmet Vakif Üniversitesi,Istanbul, Turkey	Use of 3D Printing technology in revolutionized the manufacturing process
12.00 – 12. 45 pm		Eye relaxation Break
12.45 –1.30 pm	Dr Ehtisham Khan Yeungnam University, Republic of Korea, Jazan University, Kingdom of Saudi Arabia.	Applications of Nanotechnology – Break through in material synthesis in smart world
1.30– 2.30 pm	Dr Sadia Shakoor, AMU, Aligarh, INDIA	How to read, evaluate, and review research papers and leverage them for hypothesis generation and understanding state-of-the-art
2.30 2.30 – 2.40 pm		Vote of Thanks

Day 2 - 31st Aug 2020

10.00 am-Onward	Oral presentations (Selected candidates)
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Oral Presentation: Duration for each candidate = 12+ 3 min

S.No	Name	Institute	Title	Panel	Time
1.	Basma Sameer Al-Balushi	International College of Engineering and	Influence of air and location of fuel on compartment fire behavior was studied by using computational fluid dynamics (CFD)	Dr Girma/Mr Victor	10.00-10.15 am

		Management, Oman			
2	Qtaiba Al Gheilani	International College of Engineering and Management, Oman	Analysis of fire alarm response by attendee in SQU library	Ms Azza/Mr Hani	10.15-10.30 am
3	Sara Sarhan AL-maqbali/ Aisha Mohammed salem AL- Balushi	Nizwa University, Oman	Development of pyrolysis media based on integration of DBD-jet plasma with physical induced effects: Simulation study	Dr Girma/Mr Alex	10.30-10.45 am
4	Aqib Raza Khan	National Sun Yat-Sen University, Taiwan	Novel bromopyrrole alkaloids from marine sponge Agelas potentially inhibits marine and pathogenic biofilm bacteria	Dr Khan/Dr Sreejaya	10.45 - 11.00 am
5	Syed Suhaib	Jamia Millia, New Delhi, India	Industry 4.0 : Technology and Applications	Dr Sreejaya/Ms Azza	11.00 – 11.15 am
6	Buthaina Mohammed Ahmed Ba Qawir	International College of Engineering and Management, Oman	Computational Fluid Dynamics analysis of frictional losses by internal roughness of drill pipes used in oil rigs	Mr Hani/Dr Girma	11.15 -11.30 am
7	Sameer Imdad	Malaviya National Institute ,India	Production of biodiesel with high fatty acid oil using microwave heating	Dr Girma/Mr Alex	11.30 – 11.45 am
8	Alhaitham Mohammed Alkalbani	International College of Engineering and Management, Oman	The applications of nanoparticles in drilling fluids.	Dr Khan/Mr Hani	11.45-12.00
EYE BREAK					
9	Mohammed Saud AL Balushi	International College of Engineering and Management, Oman	A short review for using thermal conducting in oil production	Mr Alex/Ms Azza	1.00-1.15 pm

10	Dhruv shah	India	Designer	Mr Hani/ Dr Sreejaya	1.15-1.30 pm
11	Badar Nasser Mohamed Al Rujaibi	International College of Engineering and Management, Oman	Analysis and fabrication of solar grass cutter	Mr Victor/Mr Hani	1.30-1.45 pm
12	Ghaida Issa Ali Al Hosni	International College of Engineering and Management, Oman	Investigation of Coconut shell powder as a drilling fluid additive for an environmentally friendly drilling fluid	Mr Alex/Mr Anoop	1.45-2.00 pm
13	Ayatullah Khan	National Kaohsiung Normal University, Taiwan	Influence of color in product design	Mr Alex/Ms Azza	2.00 – 2.15 pm

Oral presentation for students, Dr Khan welcome the participants along with RIC members, and also gave guidelines for the participants to conclude their presentation with in 12 mints and 3 mints will allotted for question and answers. Template was also distributed to all the members of RIC, in the schedule panel has 2 members, 1 member will invite the students, and both are allowed to ask questions, but first priority was given to ask from the guest chat box. There were total 13 participants, only one was absent and in the morning.

Oral Presentation: Duration for each candidate = 12+ 3 min

10 marks for each column, SK=Subject Knowledge, PS=Presentation skills, Q/A=Question and Answer sessions, Ave=Average

S.No	Name	Title	Panel	SK	PS	Q/A	Ave
1.	Basma Sameer Al-Balushi	Influence of air and location of fuel on compartment fire behavior was studied by using computational fluid dynamics (CFD)	Mr Anoop	8	8	6	21.5
			Mr Victor	8	7	5	
2	Qtaiba Al Gheilani	Analysis of fire alarm response by attendee in SQU library	Mr Anoop	7	8	7	21.0
			Ms Azza	7	6	7	

3	Aisha Mohammed salem AL-Balushi/ Sarhan AL-maqbali	Development of pyrolysis media based on integration of DBD-jet plasma with physical induced effects: Simulation study	Dr Girma	7	7	8	22
			Mr Victor	7	7	8	
4	Aqib Raza Khan	Novel bromopyrrole alkaloids from marine sponge Agelas potentially inhibits marine and pathogenic biofilm bacteria	Dr Khan	9	9	9	27
			Ms Azza	8	9	10	
5	Suhaib	Industry 4.0 : Technology and Applications	Dr Girma	7	8	6	19.0
			Ms Azza	7	6	4	
6	Butaina	Computational Fluid Dynamics analysis of frictional losses by internal roughness of drill pipes used in oil rigs	Mr Anoop	8	8	7	23.5
			Dr Girma	8	8	8	
7	Sameer Imdad	Production of biodiesel with high fatty acid oil using microwave heating	Dr Khan	9	7	9	23.5
			Mr Alex	7	7	8	
8	Alhaitham Mohammed Alkalbani	The applications of nanoparticles in drilling fluids.	Dr Khan	6	7	6	18.5
			Mr Hani	6	6	6	
9	Mohammed Saud AL Balushi	A short review for using thermal conducting in oil production	Mr Alex	6	7	6	15.5
			Ms Azza	4	4	4	
10	Dhruv shah	Designer	Mr Hani				
			Mr Victor				
11	Bader	Analysis and fabrication of solar grass cutter	Dr Girma	8	8	7	21.0
			Mr Hani	7	6	6	
12	Ghaida	Investigation of Coconut shell powder as a drilling fluid additive for an environmentally friendly drilling fluid	Mr Alex	7	6	6	19.0
			Dr Khan	6	6	7	
13	Ayatullah Khan	Influence of color in product design	Dr Khan	2	2	2	8
			Ms Azza	3	3	4	

Poster Presentation by students

1	Ahmed Al Shaaili	h06012797@icemoman.net
2	Zakariya Al Hashimi	h03007577@icemoman.net
3	Said Abdulla Khalaf Al-Mawali	said@icem.edu.om
4	Mahmmod Ibrahim Saif Al Mawali	H14000008@icemoman.net
5	Basma Sameer Salih Albalushi	H16000108@icemoman.net

Technical Problems face:

30 Aug 2020, Disconnection of internet around 12.10 pm, it was connected after 1 mint.

31 Aug 2020, Disconnection of internet around 1.10 pm, seems internet is disconnected from Mohammed Al Balushi (Well Engg) side, not from ICEM. Voice interruption problem for 2 mints, from the microphone may be due to battery discharge at 1.17 pm. This was continue till the last participants.

Statistics of the International Undergraduate Research Conference 2020



إحصائيات مؤتمر البحث الدولي للطلاب الجامعيين 2020

عدد المسجلين: 259

عدد المحاضرين الدوليين: 4

عدد أيام المؤتمر: 2-3 أيام

المسجلين بحسب الموقع:

ليبيا: 1	الجزائر: 2	عمان: 177
الأردن: 1	الكويت: 1	السعودية: 42
السودان: 1	البحرين: 1	العراق: 21
	اليمن: 1	المغرب: 4

المسجلين بحسب المؤهل العلمي:

الدكتوراة: 3	الدبلوم والدبلوم العالي: 56
الماجستير: 12	دبلوم التعليم العام: 24
بكالوريوس: 75	غير ذلك: 90

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الكلية الدولية للهندسة والإدارة
International College of
Engineering & Management

The number of registrants: 259

Number of international lecturers: 4

The number of conference days: 2 days

Registrants per location (country):

Oman: 177; Saudi Arabia: 42; Iraq: 21
Morocco: 4, Algeria: 1 ; Kuwait: 1; Bahrain;1
Yemen:1; Libya: 1 ; Jordan: 1; Sudan: 1

Registrants per qualifications:

Ph.D: 3; Masters: 12
Bachelor: 75; Diploma & Advanced diploma: 56
General diploma: 24; Others: 90





Flyer to send different participants, prepared by Digital marketing team

INTERNATIONAL UNDERGRADUATE RESEARCH CONFERENCE 2020



الكلية الدولية للهندسة والإدارة
International College of
Engineering & Management



International College of Engineering and Management (ICEM) is internationally recognized for providing professional Higher Education (HE) and is affiliated to the University of Central Lancashire (UCLan), one of the UK's most progressive Universities. ICEM has built its reputation nationally and regionally by offering specialized unique undergraduate programmes in the fields of Facilities Management, Fire Safety Engineering, Health, Safety and Environmental Management and Well Engineering.



PROGRAMME DETAILS

DAY 1 : 30TH AUG 2020

10:00 am - 10:10 am Recitation and Opening Ceremony		
10:10 am - 11:00 am	Dr. Mohsin Qazi Harvard University, USA	Role of Research and Innovation in the progress and growth of Nation.
11:00 am - 12:00 pm	Dr. Hamaid Mahmood Imperial college, UK, Faith Sultan Mehmet Vakif Universitesi, Istanbul, Turkey	Use of 3D Printing technology in revolutionized the manufacturing process.
12:00 pm - 12:45 pm Eye Relaxation Break		
12:45 pm - 01:30 pm	Dr. Ehtisham Khan Yeungnam University, Republic of Korea, Jazan University, KSA	Applications of Nanotechnology - Break through in material synthesis in smart world.
01:30 pm - 02:30 pm	Dr. Sadia Shakoor AMU, Aligarh, INDIA	How to read, evaluate, and review research papers and leverage them for hypothesis generation and understanding state-of-the-art.
02:30 pm - 02:40 pm Vote of Thanks		

DAY 2 : 31ST AUG 2020

10:00 am - Onwards	Oral presentations (Selected candidates)
12:00 pm - 12:45 pm	Poster presentations
01:00 pm - Onwards	Oral presentations (Selected candidates)

UNDERGRADUATE CONFERENCE-OVERVIEW

Research and innovation committee (RIC-ICEM) of ICEM is pleased to organize Salamati National undergraduate research conference 2020 to share the findings of the final year projects in various colleges in Oman. Final year students of AY-2019-2020 are welcomed to submit their abstract for oral presentation and posters before 23rd Aug 2020. This platform would provide opportunities for students to discuss their research findings to further enhance their thinking skills. A certificate of participation will be issue to all participants. An award will be present for the three best oral presentations and three best poster presentations. All presentations will be conducted through ZOOM.

BROAD SUBTHEMES:

EMERGING TRENDS ADVANCES IN MECHANICAL/PETROLEUM ENGG, FACILITY, HEALTH & SAFETY AND FIRE ENGINEERING MANAGEMENT

VENUE:

ICEM-VIA ZOOM

ORGANIZED BY:

RESEARCH AND INNOVATION COMMITTEE (RIC-ICEM)

REGISTRATION

All participants are required to submit the registration details on 23rd Aug 2020 to attached form and email at undergradconference2020@icem.edu.om

For any queries please contact:
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