

Program of the International Conference "Fourth Industrial Revolution and its impact on education" 21-23 / 1/2019

International Conference: Fourth 4th Industrial Revolution and its impact on education
Sohar, 21-23 January 2019

First Day - Monday 21 January 2019

Hall: Oman

Time	Program
8:00- 9:00	* Registration
9:00 - 10:00	* Opening of the accompanying exhibition
10:00- 10:30	* The Holy Quran *The speech of the Organizing Committee *Short Film Show
10:30 - 11:00	*Keynote speaker: Dr Wayne Holmes Artificial Intelligence in Education. Promise and Implications for Teaching and Learning.
Main session	
*Session Head: Dr. Rahmah Ibrahim Al-Mahrouqi Vice-President of Sultan Qaboos University for Research and Scientific Research *Rapporteur: Prof. Sulaiman bin Mohammed Al Balushi Dean of the Faculty of Education, Sultan Qaboos University	
11:00 - 11:15	* HE Dr. Said bin Hamad bin Said Al-Rubaie - The orientations of education in Oman under the Fourth 4th Industrial Revolution.
11:15 - 11:30	* HE Dr. Hamoud bin Khalfan bin Mohammed Al Harthy - The orientations of the Ministry of Education in the Sultanate of Oman to keep up with the Fourth 4th Industrial Revolution.
11:30 - 11:45	* Dr. Salim bin Sultan Al-Ruzaiqi - Rehabilitation of skills and capabilities national in the period of the Fourth 4th Industrial Revolution
11:45 - 12:00	* Dr. Yousef bin Abdullah Al Balushi - towards a national framework for the skills of the Fourth 4th Industrial Revolution.
12:00 - 12:15	* Discussion
12:15 - 12:30	Honoring sponsors of the working papers for the first day
12:30 - 1:00	Break

Parallel Sessions: (6 Halls)

Hall: Oman (1)

Session Head: Dr. Mohammed bin Khalfan Al-Shidi - Advisor to the Minister of Education in Al-Batinah North	
1:00 - 1:15	Haitham bin Hilal bin Amer Al - Hajri The Innovation of Internet Industries Transformed To Fourth 4th Industrial Revolution: Threats and C
1:15 - 1:30	Dr. Abdullah bin Salim bin Ali Al Balushi Information Security and Fourth Industrial Revolution
1:30 -1:45	Ismail Yassin Hassan Business and jobs under the Fourth 4 th Industrial Revolution
1:45- 2:00	Dr. Abdullah bin Mohammed Al-Mahrouqi The Role of Industrial Innovation Centre in Supporting Innovation
2:00 -2:15	Discussion
2:15-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall:Oman (2)

Education in the fourth industrial revolution

Session Head: Dr. Ali bin Humaid Al-Jahwari- Director General of the Directorate General of Education ,Muscat Governorate	
1:00 – 1:15	Dr.. Mohammed bin Saleh bin Mohammed Al-Ajmi - Arabic language curricula in the Sultanate of Oman and its impact on education under the Fourth 4th Industrial Revolution
1:15 – 1:30	Khadija Abdul Aziz Mohammed Sharif Al-Shizawi - a proposed program in the development of some basic science skills to science teachers in the Sultanate of Oman under the Fourth 4th Industrial Revolution.
1:30 -1:45	Rabia Mohammed Mana Al-Saqri - Effectiveness of the use of the strategy of electronic brainstorming in the development of moral thinking among the 11th class students in Islamic course in the Sultanate of Oman
1:45- 2:00	Faisal Ali Saif Al Busaidi - The use of large data analysis and artificial intelligence in classification and evaluation processes
2:00 -2:15	Discussion
2:15-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: Oman (3)

Labor market and career guidance

Session Head: Dr. Issa Bin Khalaf Al-Tubi - Director General of the General Directorate of Education in Al-Dhahirah Governorate	
1:00 - 1:15	Dr. Fatima Zakaria Mohamed Abdel Razeq - Alternative Scenarios for Developing the Policies of Egyptian Governmental Universities in the Light of the Fourth 4 th Industrial Revolution
1:15 - 1:30	Mashaal Awad Mohammed Al-Saeiri - The Future of Functions and Specializations in the Sultanate of Oman in the Fourth 4 th Industrial Revolution: An Analytical Study in the Light of Reports.
1:30 -1:45	Marwa Mohamed Zaher Al Hinai - Effectiveness of Engineering Design in the Development of Professional Attitudes towards STEM among 8th class Students in the Sultanate of Oman.
1:45- 2:00	Basma Salim Jumaa Al Baloushi \ Fatima Said Obaid Al-Abri - The degree of awareness of the professional guidance specialist in the Sultanate of Oman on the concepts of knowledge economy in the light of some demographic variables.
2:00 -2:15	Discussion
2:15-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: liban

Educational Initiatives and Projects

Session Head: Dr. Tareq Mahmoud Al-Tai, Associate Professor, College of Applied Sciences, Sohar	
1:00 - 1:15	Dr. Hussein Kazem Al Waeli - Solar Energy in Oman: Scientific Research Findings and Opportunities
1:15 - 1:30	Sultan Salim Obaid Al-Isaee - Employment of social networking sites in the educational process
1:30 -1:45	Khalid bin Juma bin Khamis Al Shedi - To enrich and learning accelerating of the innovators in fourth industrial revolution
1:45- 2:00	Ali Saleh Al Mutawa - Innovative experiences in the transfer of technical content to teach creative thinking
2:00 -2:15	Discussion
2:15-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: Yasmine

Education in the fourth industrial revolution

Session Head: Dr. Ali Saif Al-Jahwari, Director of Rehabilitation and Training Department, Directorate General for Human Resources Development	
1:00 - 1:15	Jalila Matar Ali Al Balushi / Dr. Saif Al Ma'amari - The Future of Education in the Sultanate of Oman under the Fourth 4 th Industrial Revolution and Beyond.
1:15 - 1:30	Salim Saif Mubarek Al-Magrafi - The effectiveness of GeoGebra v.5 Program in acquiring the concepts of space engineering among eleventh class students.
1:30 -1:45	Abdullah Hammad Hameed Al-Magini - The Effectiveness of the Educational Robot in Developing Creative Thinking Skills among the Students of the Second Cycle of Basic Education.
1:45- 2:00	Dr. Khalifa Said Zahran Al-Azri - The inclusion of Nanotechnology and science in the curricula of Omani science in the post-primary stage from the point of view of teachers of science in the AlDakhiliya Governorate.
2:00- 2:15	Sumaya Sulaiman Al-Maamari - Right and Left Hemisphere Activity and its relationship to information processing for people with learning difficulties in the light of nanotechnology
2:15 -2:30	Discussion
2:30-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: Awared

Education in the fourth industrial revolution

Session Head: Dr.Yahya Khamis Hamoud Al Harthi, Director General, Directorate General for Curriculum Development	
1:00 - 1:15	Halima Bint Nasser AlDhehlia The role of electronic community partnership in basic education schools to demonstrate and enhance the student of the twenty first century
1:15 - 1:30	Mohammed Sulaiman Salim Al - Ghafri - Effectiveness of the interactive e - book in the teaching of mathematics on the direct and deferred collection of students in the eighth class in the Sultanate of Oman.
1:30 -1:45	Huda Mubarak Humaid Al-Dairi - The Effectiveness of Educational Envography in Achievement and Development of the Geological Sense among the 10th class Students in the Sultanate of Oman.
1:45- 2:00	Nada Ali Salim Al Busaidi - Effectiveness of the use of the virtual museum in the development of collection and the trend towards the historical effects of the eighth class students.
2:00 -2:15	Discussion
2:15-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Second Day - Tuesday 22 January 2019

Hall: Oman

Time	Program
(Main Session) Session Head: HE Dr. Said bin Hamad bin Said Al-Rubaie Secretary General of the Education Council Rapporteur: Dr. Yahya bin Khamis bin Hamoud Al Harthi Director General of the Directorate General for Curriculum Development	
9:00- 9:15	* Keynote speaker: Dr. Anasse Bouhlal The ~Global Trends for Higher Education in the Sustainable Development 2030 Agenda
9:15 - 9:30	*Daniel Patrick Phillips 4the Industrial Revolution Conference
9:30 - 9:45	* Prof. Abdullah Khamis Al Busaidi - The role of the teacher in the light of the Fourth 4 th Industrial Revolution.
9:45 - 10:00	* Dr. Maryam Belarab Mohammed Al Nabhani Education Empowerment in the Fourth Industrial
10:00 - 10:15	* Dr. Mohammed bin Zahir bin Mohammed al-Abri Nanotechnology in the Fourth Industrial Revolution
10:15 - 10:30	Discussion
10:30 - 10:45	Honoring sponsors of the working papers for the second day
10:45 - 11:00	Break

Hall: Oman

Time	Program
(Main Session) Session Head: HE Dr. Hamoud bin Khalfan bin Mohammed Al Harthi Undersecretary of the Ministry of Education for Education and Curriculum Rapporteur: Prof. Abdullah bin Khamis Al Busaidi Director of the Center for Humanitarian Research at Sultan Qaboos University	
11:00- 11:15	Abdel Hamid Soliman Dr. Smart Campus: Step Towards Smart Learning
11:15 - 11:30	DR. Mohammad Yousuf Malk Sakil "Understanding the Need for a Bold Vision in Science, Technology, Engineering, and Mathematics (STEM)
11:30 - 11:45	Dr. Oualid Ali Future of Education in the Industrial Revolution 4.0: Trends, Technologies and Jobs
11:45 - 12:00	Dr. Yahya bin Khamis bin Hamoud Al Harthi - Skills of the 21st century Omani learner
12:00 - 12:15	Dr. Fadi Ali Makki - Applications of Behavioral Sciences and "Results" on Educational Policies under the Fourth Industrial Revolution.
12:15 - 12:30	Discussion
12:30– 1:00	Break

Parallel Sessions: (6 Halls)

Hall: Oman (1)

Education in the fourth industrial revolution

Session Head: Dr. Mohammed bin Shams Al-Husani - Advisor to the Minister of Education in the North Batinah	
1:00 - 1:15	Dr. Khadija Ahmed Saleh Al Balushi - Development of the practices of educational supervisors under the fourth industrial revolution in the Sultanate of Oman.
1:15 - 1:30	Saja Sa'ad Khamis Al-Fressi \ Fatima Sa'ad Obeid Al-Abri \ Fatima Saqr Juma Al-Musallami- The role of the school principal in developing the educational process according to the requirements of the fourth industrial revolution from the point of view of teachers.
1:30 -1:45	Sultan bin Ali bin Sulaiman Al Mazroui Educational Leaders' Competencies of Fourth Industrial Revolution
1:45- 2:00	Mohammed bin Hamad bin Amer Al-Nadabi - a proposed vision for the roles of educational supervisor in the light of the Fourth Industrial Revolution.
2:00 -2:15	Discussion
2:15-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: Oman (2)

Education in the fourth industrial revolution

Session Head: Abdullah bin Ali Al-Fawri - Director General of the General Directorate of Education in Musandam Governorate	
1:00 - 1:15	Wafa Salim Saif Al-Abdusalam - Effectiveness of the strategy of scientific stations in teaching science on achievement and the trend towards science among the ninth class students.
1:15 - 1:30	Laila Mohammed Ahmed Al-Shizawi - The impact of teaching based on augmented reality technology in the acquisition of concepts polygons and circle.
1:30 -1:45	Wadha Abdullah Saba' al-Saadi -Use of technology to take into account the student's speed in the learning process.
1:45- 2:00	Mona Abdullah al-Sayabi Learning with mobile devices in schools
2:00 -2:15	lateefa Khaleefa Al-Kaabia The use of Smart curriculum in the educational environment
2:15 -2:30	Discussion
2: 30-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: Oman (3)

Labor market and career guidance

Session Head: Dr. Nasser bin Abdullah al-Abri Director General of the Directorate General of Education in South-Eastern Governorate	
1:00 - 1:15	Huda Sulaiman Zahir Al-Hindi \ Majid Abid Sulaiman Al-Kharousi - Possible changes in the Omani labor market and related jobs under the Fourth Industrial Revolution
1:15 - 1:30	Mitha Abdullah Mohammed Al-Jabri - the role of vocational guidance in the light of the Fourth Industrial Revolution
1:30 -1:45	Dr. Rashid bin Ahmed Al-Maamari\ Hussein bin Ali AlAjmi\ Qassim bin Ali bin Hassan Al-Shizawi - Cognitive awareness among career guidance specialists in the era of fourth industrial revolution
1:45- 2:00	Samira Salloum Khloof Al-Taliai Jobs suitable for people with disabilities under the Fourth Industrial Revolution
2:00 -2:15	Maryam Khalfan Salim Al isaei \ Sharifa Sulaiman Al Kiyoumi- The labor market and associated jobs under the Fourth Industrial Revolution.
2:15-2:30	Discussion
2:30- 3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: liban

Ethics, values and skills of the revolution

Session Head: Dr. Maryam Belarab Al Nabhani- Director of Education and Human Resources Sector at the Scientific Research Council	
1:00 - 1:15	Saleh bin Rashid bin Masoud Al - Himali Potential Capabilities of Fourth Industrial Revolution Technologies.
1:15 - 1:30	Dr. Halima Yousef Al-Montashari \ Hania Abdel Razzaq Ahmed Fattani Cyber Security and Digital Citizenship Concept and Relationship
1:30 -1:45	Suad bint Abdullah al-Toubiyeh \ Wadhaa bint Shamus al-kayoumi Designing training programs according to the skills of 21st. century in light of the Fourth Industrial Revolution
1:45- 2:00	Abdullah bin Said bin Abdullah Al Saidi Qualifications of the teacher under the Fourth Industrial Revolution.
2:00 -2:15	Aisha Ahmed Mohamed Hadrami Organizational citizenship and its role in overcoming the challenges of school administration under the Fourth Industrial Revolution
2:15- 2:30	Discussion
2:30-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: Yasmine

Education in the fourth industrial revolution

Session Head: Dr. Badr bin Hamoud Al Kharousi Director General of the Directorate General for Human Resources Development	
1:00 - 1:15	Dr. Faris Salah Haidar Comprehensive model of vocational and technical training under the Fourth Industrial Revolution The German experience is a model
1:15 - 1:30	Dr. Abdulrahman bin Salim bin Ali Al Baloushi \ Talal bin Ahmed bin Salim Al Zaabi Keeping up with the training programs for the requirements of the Fourth Industrial Revolution in North Batinah Education
1:30 -1:45	Dr.. Sara Basem Siddiq Al Hashim The impact of a training program based on the Marzano model of the dimensions of learning on the teaching performance of the teachers of the ninth grade and its impact on the development of cognitive thinking skills and the trend towards science among their students in Oman.
1:45- 2:00	Azzan Bin Khamis Bin Mohammed Al Subhi / Maimouna Mubarak Al Bandari- The needs of education and training in the Sultanate under the Fourth Industrial Revolution.
2:00 -2:15	Discussion
2:15-3:00	lunch break
3:00-5:00	Work shops (for already registered)

Hall: Awared

Ethics, values and skills of the industrial revolution

Session Head: Dr. Mahmoud Ibrahim Al-Tayeh Chairman of the Canadian Global Center CGC	
1:00 - 1:15	Dr. Nayef Lafi Al-Mutairi Degree The teachers of the secondary schools in Kuwait represent the ethics and values of the Fourth Industrial Revolution
1:15 - 1:30	Said bin Rashid bin Said Al Abdul Salam Quality under the Fourth Industrial Revolution
1:30 -1:45	Ahmed bin Khalaf bin Said Al Mazrouei The impact of the use of the digital textbook on raising the achievement of students in the fifth class.
1:45- 2:00	Qassim bin Salim bin Ahmed Al-Washahi Digital intelligence skills for a generation free of digital literacy.
2:00 -2:15	Discussion
2:15-3:00	lunch break
3:00-5:00	Work shops (for already registered)

5:00 - 7:00 pm Tour of Sohar City for participants from outside the Governorate / Sultanate
(participants are kindly requested to register at the reception before afternoon)

Third Day - Wednesday 23 January 2019

Hall: Oman

Time	Program
(Main Session) Session Head: Prof. Ghassan Al Kindi Assistant President, Sohar University for Research and Innovation Rapporteur: Dr. Hilal bin Ali Al -Muqbali Head of Scientific Research Department, Faculty of Applied Sciences, Sohar	
9:00- 9:15	Dr. Mohammed Sedky Artificial Intelligence and Upcoming Internet of Things Applications
9:15 - 9:30	Dr.SHADI M S HILLES Enhancing method of study for University Students by migrating to Industrial revolution 4.0
9:30 - 9:45	Prof. Sulaiman Bin Mohammed Al Balushi Designing a mobile application to study the factors influencing student performance in science is an innovative research technology product.
9:45 - 10:00	Faisal bin Ali bin Nasser Al Busaidi Intelligent electronic systems and artificial intelligence.
10:00 - 10:15	Dr. Khamis bin Mohammed bin Khamis Al Mazrouei Smart Leadership is one of the requirements of the Fourth Industrial Revolution
10:15 - 10:30	Discussion
10:30 - 11:00	Break

Parallel Sessions: (6 Halls)

Hall: Oman (1)

Techniques and engines of revolution

Session Head: Dr. Hilal bin Ali Al -Muqbbali Head of Scientific Research Department, Faculty of Applied Sciences, Sohar	
11:00 - 11:15	Talal bin Said bin Ali Al-Assami Challenges of Electronic Information Security in the Fourth Industrial Revolution
11:15 - 11:30	Mahmoud bin Said bin Nasser Al-Bahri Communication Network 2030 and its impact on the Fourth Industrial Revolution in educational applications
11:30 -11:45	Sabha Ahmed Sulaiman / Salma Al Saadouni The effectiveness of a computer training program based on robot programming to develop the creative thinking skills of the eighth class students.
11:45- 12:00	Saud bin Hamad bin Amer Al Rayami Help the blind in controlling the facilities using the internet of things and artificial intelligence
12:00 -12:15	Discussion
12:15-12:45	Break

Hall: Oman (2)

Education in the fourth industrial revolution

Session Head: Dr. Khalaf bin Marhoun bin Khalaf Al'Abri Head of Quality Assurance and Accreditation Unit, College of Education Sultan Qaboos university	
11:00 - 11:15	Dr. Mansour bin Yasser bin Obaid Al Rawahi "Classroom Note Using Lesson Note"
11:15 - 11:30	Dr. Mohammed bin Ibrahim Al-Bahri Magnetic nanowires for high density and low power information storage
11:30 -11:45	Samira Farish Mohammed Al-Sayabi - The role of the enhanced reality in raising the level of academic achievement.
11:45- 12:00	Fatima Murad Al Balushi \ Abdullah bin Said Al Ameri Artificial Intelligence Use and Impact in Education at Schools
12:00 -12:15	Discussion
12:15-12:45	Break

Hall: Oman (3)

Labor market and career guidance

Session Head: Dr. Mohammed bin Abdullah Al - Muqbali Assistant President, Sohar University for Cooperation	
11:00 - 11:15	Abdul Majeed Abdullah Yaqoub Al-Balushi / Maryam Salim Ali Al-Ghaithi The Effectiveness of Engineering Design in the Development of Professional Attitudes Toward STEM among 8th class Students in the Sultanate of Oman
11:15 - 11:30	Moza Hazim Said Al Jabri Jobs of the Future under the Fourth Industrial Revolution
11:30 -11:45	Qassim bin Ali bin Hassan Al-Shizawi The role of career guidance specialist in directing students to the jobs of the Fourth Industrial Revolution
11:45- 12:00	Dr. Ali bin Said bin Amer Al Shibli The jobs which are expected to disappear and are expected to emerge under the Fourth Industrial Revolution
12:00 -12:15	Discussion
12:15-12:45	Break

Hall: liban

Education in the fourth industrial revolution

Session Head: Dr. Rima bint Said Al Balushi Assistant Professor, College of Applied Sciences, Sohar	
11:00 - 11:15	Fatima bint Ali bin Said Al - Dohani The Effectiveness of Teaching Using an Interactive Learning Site in Acquiring Astronomical Concepts and Astronomy Towards Fifth class Students
11:15 - 11:30	Basma Hamad Ali Al Riyami Effectiveness of using virtual reality in the development of achievement and visual thinking skills among students of the tenth class in the Sultanate of Oman in the subject of social studies
11:30 -11:45	Ghalib Ali Al - Abri Concept to include the concepts and applications of Internet technology things in school curricula for the late classes.
11:45- 12:00	Mohammed bin Rashid Al-Mukhini / Ali bin Nasser Al-Arimi The Effectiveness of Using VR Technology and Reinforced Reality on the Achievement of Grade 9 Students in Science in Basic Education Schools in South-Eastern Governorate and their Attitudes towards them
12:00 -12:15	Discussion
12:15-12:45	break

Hall: Yasmine

Education in the fourth industrial revolution

Session Head: Dr. Aida Butti Al Qasimi Academic Professor at Sohar University	
11:00 - 11:15	Dr. Ihab Ahmed Mohamed Mokhtar The effectiveness of a nanotechnology-based learning program as a prerequisite for the fourth industrial revolution era in the development of innovative thinking and high-level thinking skills in physics for secondary students
11:15 - 11:30	Asma Saif Al Busaidia Attitudes of Parameters of Post-Basic Schools in North Batinah Governorate in Implementing a Survey Study of the Enhanced Reality.
11:30 -11:45	Saif bin Mohammed bin Saif al-Mundhiri The extent to which the requirements of the knowledge society are included in the Eighth Five-Year Plan of the Ministry of Education in the Sultanate of Oman
11:45- 12:00	Musa bin Isa bin Khalaf al - Abri Sustainable education in the era of the Fourth Industrial Revolution
12:00 -12:15	Discussion
12:15-12:45	break

Hall: Awared

Techniques and engines of revolution

Session Head: Haniya Abdul Razzaq Fattani Ministry of Education Yanbu Governorate	
11:00 - 11:15	Ali Hamad Ali Albarzanji Artificial intelligence and the role of large evidence bases in successful medical intervention
11:15 - 11:30	Ali bin Khalfan bin Said Al - Washaie Intelligent Learning Halls and Knowledge Dimensions, Islamic Education Hall
11:30 -11:45	Ali bin Abdullah bin Ali al - Breiki The impact of 4G technologies in the transition from direct guidance to e-guidance
11:45- 12:00	Zainab Bint Saeed bin Saif Al Saidiya The impact of the use of electronic learning platforms on achievement and the development of self-learning skills
12:00 -12:15	Discussion
12:15-12:45	Break

Hall: Oman

Time	Program
<p>(Main Session) Session Head: Dr. Raya Bint Salem Al-Mundhiriya Associate Professor at Sultan Qaboos University and Member of the State Council Rapporteur: Dr. SHADI M S HILLES Associate Professor Almadinah International University</p>	
12:45- 1:00	Prof. Ghassan al-Kindi Towards Industrial Revolution IV Applications: Academic and Industrial Integration in Advanced Manufacturing - A Collective Mode
1:00 - 1:15	Dr. Nasser bin Musabah bin Hamdan al-Zaidi Internet things and education
1:15 -1:30	Dr. Mahmoud Ibrahim Al-Tayeh Industrial revolution and moral face to build self
1:30 -1:45	Dr. Badr bin Hamoud bin Rashid Al Kharousi The school and the learner under the Fourth Industrial Revolution
1:45 -2:00	Discussion

Einding ceremony	
Time	Program
2:00 - 2:30	<ul style="list-style-type: none"> •Speech of the Organizing Committee •Short film presentation •Conference Outcomes / Recommendations • Honoring sponsors / participants
2:30- 3:30	Lunch and bid farewell to participants