

TOWARDS
THE DIGITAL
WORLD &
INDUSTRY 4.0


13-17
September 2020
Cairo, Egypt



IAMOT 2020 PROGRAM OVERVIEW

DAY 0: SUNDAY, 13 September 2020 (Optional Day)

TUTORIALS, WORKSHOPS AND DR.ESSIONAL MEETINGS (OPTIONAL)

1:00 pm - 5:00 pm (GMT +2)	Workshop: Technology Forecast & Foresight (Richard Dictus)	
5:00 pm - 6:00 pm (GMT +2)	IAMOT EXECUTIVE COUNCIL MEETING (Closed Meeting)	

DAY 1: MONDAY, 14 September 2020

[OFFICIAL OPENING OF THE CONFERENCE](#)



Opening Remarks – Dr. Osman Ahmed, President IAMOT

Welcoming Remarks - Dr. Tarek Khalil, Conference Chair and Founder of IAMOT

Keynote Address

Baroness Dr. Nemat Shafik

Director of the London School of Economics

The Impact of Corona Virus on The Economy: Initial Reflections

12:00 pm - 1:30 pm
(GMT +2)

1:30 pm - 2:00 pm

Break (Broadcast Promotion Material & Interviews)

2:00 pm - 4:00 pm
(GMT +2)

Room 1

Room 2

Room 3

Room 4

Technology Trends

**Innovation,
Entrepreneurship &
Competitiveness**

**Strategy, Programs &
Projects**

MOT & Practices (1)

Paper No.:
55, 161, 190, 204, 221

Paper No.:
42, 127, 138, 259, 261

Paper No.:
3, 16, 49, 71, 84

Paper No.:
11, 31, 100, 150, 227

4:00 pm - 4:30 pm

Break (Broadcast Promotion Material & Interviews (Live or Playback))

4:30 pm - 6:00 pm
(GMT +2)

[Panel Discussion: Lessons from Global 2020 Crisis](#)



As we are experiencing digital transformation such as Industry 4.0, it is a logical question to ask- what comes after 4.0? How next wave of digital transformation will look like? That question should largely be triggered by the disruptions we are facing in 2020. Disruptions should inspire next generation of innovations and that will require a new breed of technologies and its management for a better world and better living

Moderator: Dr. Osman Ahmed

IAMOT

Panelists

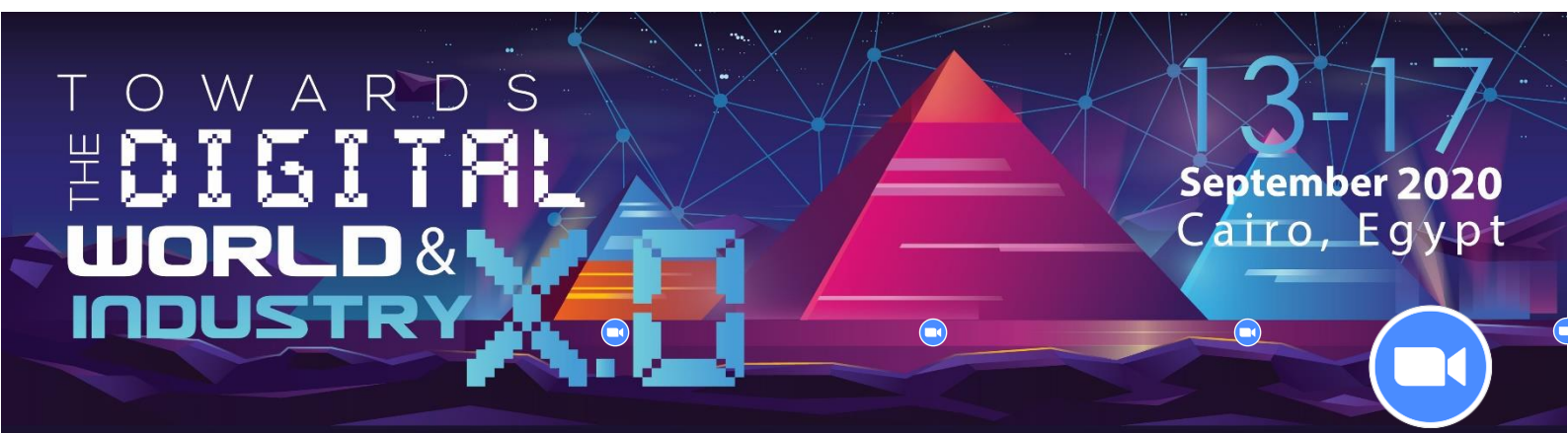
*Dr. Tarek
Khalil*

*Mr. Ramesh
Iyer*



*Dr. Anuja
Agarwal*

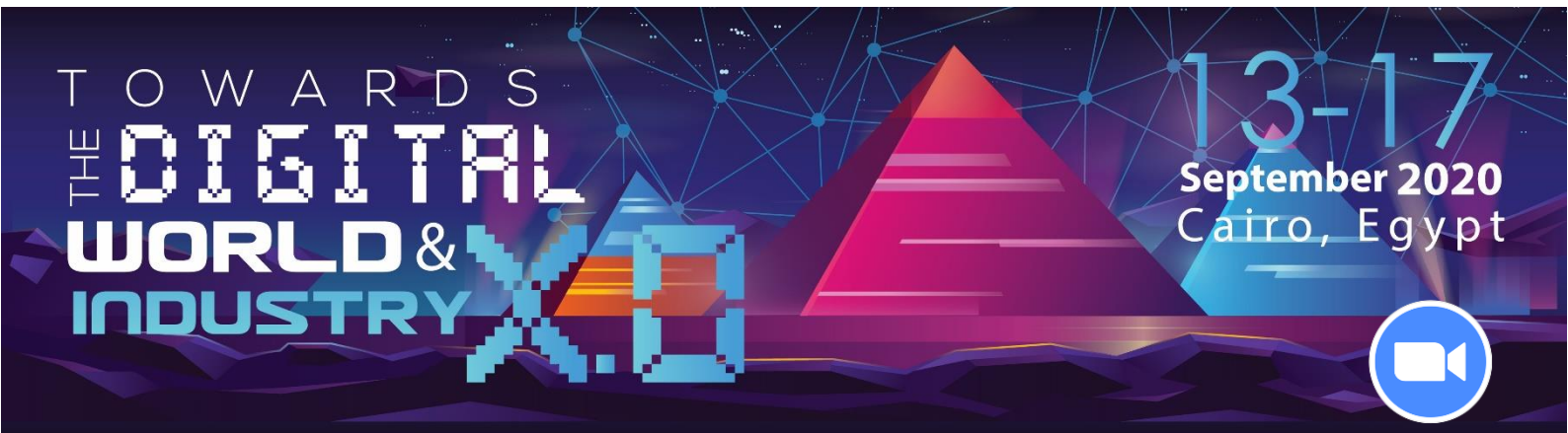
*Dr. Gita
Surie*

*Dr. Harm-Jan
Steenhuis*





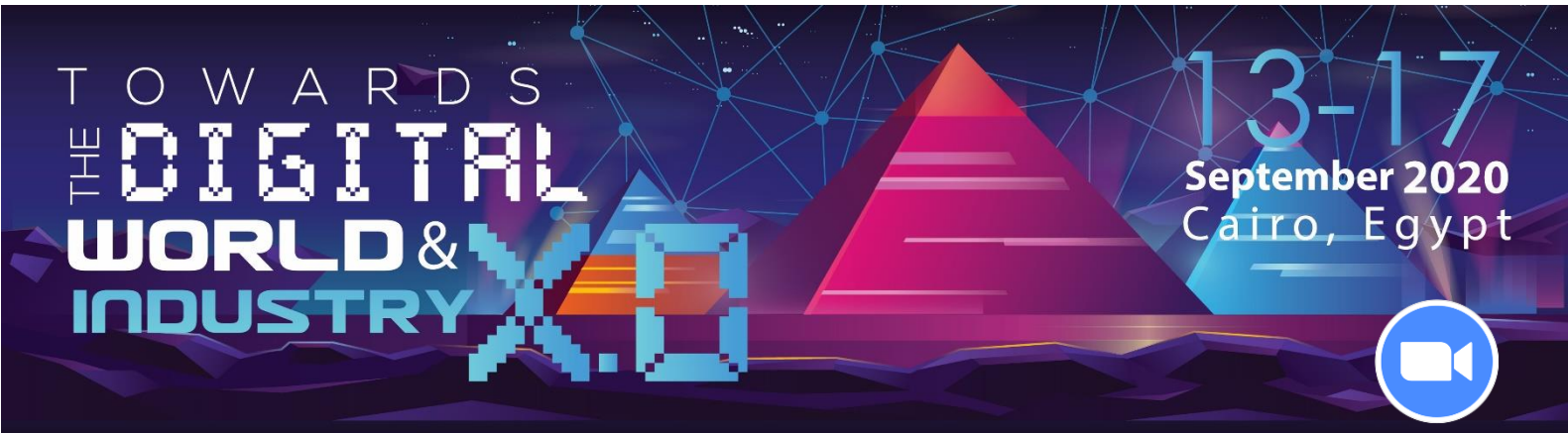
DAY 2: TUESDAY, 15 September 2020

	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
12:00 pm - 2:00 pm (GMT +2)	Technology Trends	Innovation, Entrepreneurship & Competitiveness	Strategy, Programs & Projects	MOT & Practices (1)	MOT & Practices (2)	MOT & Practices (3)
	Paper No.: 139, 152, 184, 191	Paper No.: 37, 141, 181, 205, 276	Paper No.: 4, 52, 56, 87, 266	Paper No.: 38, 43, 89, 149, 171	Paper No.: 33, 61, 91, 107, 132	Paper No.: 22, 62, 123, 271
2:00 pm - 2:30 pm	Break (Broadcast Promotion Material & Interviews (Live or Playback))					
2:30 pm - 3:30 pm (GMT +2)	<u>Panel Discussion: Management of Technology in a Post-Digital World</u> 					
	<p>We are transitioning from a digital to a post-digital world. The closeness of humans and technology creates 'life-worlds' where rapid shifts in taste and preferences are derived from technologies supporting work and living. This implies technology should be sensitive to, reshape and re-assemble to adapt to instantaneous need shifts. We must have a new view of how we design and manufacture and use products and services relying on digital technology. Two possible major changes in Management of Technology (MoT) will be discussed; that of its definition to align with the post-digital world and how it is applied with a time factor to account for fast change</p> <p style="text-align: center;">Anthon Botha Board Member IAMOT</p> <p style="text-align: center;">Panelists</p> <p style="text-align: center;"><i>Dr. Tarek Khalil</i> <i>Dr. David Bennett</i> <i>Dr. Roland Ortt</i> <i>Dr. Gita Surie</i></p>					
3:30 pm - 3:35 pm	5 Minutes Break					
3:35 pm - 4:35 pm (GMT +2)	<u>Future of Digitalization</u> 					
	<p style="text-align: center;"><i>Dr. Osman Ahmed</i> President IAMOT</p> <p style="text-align: center;"><i>The phrase "Industry 4.0" refers to the 4th industrial revolution that is driven by data and enabled by digitalization, which is a confluence and utilization of many technologies. The presentation will discuss how digitalization can be applied above and beyond industry. The need to focus on broader scope of digitalization is timely. The speaker will broadly discuss as how digitalization can adapt and address such future challenges and opportunities</i></p>					
4:35 pm - 6:30 pm (GMT +2)	IAMOT EXECUTIVE COUNCIL MEETING (Closed Meeting)					






DAY 3: WEDNESDAY, 16 September 2020

	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6						
11:00 am - 1:00 pm (GMT +2)	Technology Trends	Innovation, Entrepreneurship & Competitiveness	Strategy, Programs & Projects	MOT & Practices (1)	MOT & Practices (2)	MOT & Practices (3)						
	Paper No.: 5, 35, 47, 174, 231	Paper No.: 64, 137, 140, 158, 223	Paper No.: 13, 125, 209, 233	Paper No.: 57, 81, 135, 272	Paper No.: 53, 108, 114, 185, 192	Paper No.: 44, 80, 222, 256, 262						
1:15 pm - 2:45 pm (GMT +2)	<u>Panel Discussion: IAMOT 2020 Editors' Panel</u> 											
	<p>Learn what the editors of leading MOT journals look for when screening your manuscripts, the forthcoming special issues, paper submission guidelines, and dealing with decision letters. Please bring your questions to this exceptional session and seize upon the editors' key tips to get your papers fit for publication. It is a great opportunity to meet the editors and representatives from top MOT journals. Each invited editor/representative will have an opportunity to present their journal, its aims, scope, and particulars of the submission process</p> <p style="text-align: center;">Breno Nunes Vice-president for Education, Research and Publications</p> <p style="text-align: center;">IAMOT Panelists</p> <table style="width: 100%; text-align: center;"> <tr> <td><i>Dr Scott Cunningham</i></td> <td><i>Dr Harm-Jan Steenhuis</i></td> <td><i>Dr. Steven Walsh</i></td> <td><i>Dr Tugrul Daim</i></td> <td><i>Dr Geerten van de Kaa</i></td> <td><i>Dr James Fleck</i></td> <td><i>Dr David Bailey</i></td> </tr> </table>						<i>Dr Scott Cunningham</i>	<i>Dr Harm-Jan Steenhuis</i>	<i>Dr. Steven Walsh</i>	<i>Dr Tugrul Daim</i>	<i>Dr Geerten van de Kaa</i>	<i>Dr James Fleck</i>
<i>Dr Scott Cunningham</i>	<i>Dr Harm-Jan Steenhuis</i>	<i>Dr. Steven Walsh</i>	<i>Dr Tugrul Daim</i>	<i>Dr Geerten van de Kaa</i>	<i>Dr James Fleck</i>	<i>Dr David Bailey</i>						
3:00 pm - 4:00 pm (GMT +2)	<u>Keynote: AI Best Practices in the Oil and Gas Industry - "Where to Drill"</u> 											
	<p style="text-align: center;"><i>Jeff Baetz</i> Global Industry CTO</p> <p style="text-align: center;">IBM</p> <p style="text-align: center;"><i>The petroleum industry is in a major state of disruption due to the Covid 19 pandemic and mistakes cannot happen that will only put more pressure on the industry already under immense financial pressure. Focus on digital transformation must be top priority for oil and gas companies to reduce risk while improving operational efficiency in the process of making conservative capital decisions.</i></p>											



DAY 4: THURSDAY, 17 September 2020

	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
12:00 pm - 2:00 pm	Technology Trends	Innovation, Entrepreneurship & Competitiveness	Strategy, Programs & Projects	MOT & Practices (1)	MOT & Practices (2)	MOT & Practices (3)
	Paper No.: 8, 113, 186, 226, 268	Paper No.: 36, 40, 48, 126, 202, 274	Paper No.: 29, 54, 66, 82	Paper No.: 41, 97, 175, 220,264	Paper No.: 58, 218, 257, 263, 267	Paper No.: 50, 143, 169, 265
2:00 pm - 3:30 pm	<p><u>Workshop: Future of IAMOT</u> </p> <p><i>Tarek Khalil, Nezar Sami</i> IAMOT Board IAMOT</p> <p><i>Interactive workshop focusing the future on IAMOT given the new norm. The workshop will cover the IAMOT value proposition, new business model, activities and beyond</i></p>					
3:30 pm - 3:35 pm	5 Minutes Break					
3:35 pm - 4:30 pm	<p><u>Digital World.. Applications & Beyond</u> </p> <p>Nezar Sami Board Member IAMOT</p> <p>Panelists</p> <p><i>Mohamed Azzam</i> <i>Basil Khalil</i></p>					
4:30 pm - 5:30 pm	<p><u>Conference Closing & Awarding</u> </p>					



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Parallel Sessions Details (DAY 1)

- **Date:** Monday 14.09.2020 – 2:00pm – 4:00pm Cairo Local Time (GMT +2)
- **Track:** Technology Trend
- **Session Chair:** Anthon Botha
- **Session Co-Chair:** Rendani Mamphiswana
- **Session Coordinator:** Asmaa Adel, Yasmine Emad
- **Room:** Room 1

#	Paper ID	Title	Presenter
1	55	Smart Hospital Services: Health 4.0 and Opportunity for Developing Economies	Oliver Nwauka
2	161	Paradigms for Commercialising Technologies in the 4IR Era	Rendani Mamphiswana
3	190	'Industry 4.0' Awareness and Readiness within the Vento Region (Italy)	Syed Sultan Ali
4	204	Business Intelligence: Using Data Qualification for Management Through IT	Wilsiane Nascimento Moraes
5	221	The Use of Information and Communication Technologies in the Agribusiness sector in Egypt	Mahmoud Abdelnabby



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Parallel Sessions Details (DAY 1)

- **Date:** Monday 14.09.2020 – 2:00pm – 4:00pm Cairo Local Time (GMT +2)
- **Track:** Innovation, Entrepreneurship & Competitiveness
- **Session Chair:** Joe Amadi-Echendu
- **Session Co-Chair:** Rachel Castro
- **Session Coordinator:** Bahaa Ashraf, Mohamed Emam
- **Room:** Room 2

#	Paper ID	Title	Presenter
6	42	Service Innovation And Its Impact On Financial Performance	Rachel Castro
7	127	"Re-Innovating Digital Technologies In Undeveloped Cities By Using lot And Renewable Energies To Join To The Digital World Era - Case Study And New Concept "	Asghar Jabalbarezisarbijan
8	138	"Reinventing Open Innovation To Services Innovation – Critical Factors Deep Dive In Probiotics Industry "	Yin-Lang Liu
9	259		Fisher Jen-Fu Wang
10	261		Paula Fabio de Oliveira



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Parallel Sessions Details (DAY 1)

- **Date:** Monday 14.09.2020 – 2:00pm – 4:00pm Cairo Local Time (GMT +2)
- **Track:** Strategy, Programs & Projects
- **Session Chair:** Nezar Sami
- **Session Co-Chair:** Robert Bierwolf
- **Session Coordinator:** Mark William, Rana Hesham
- **Room:** Room 3

#	Paper ID	Title	Presenter
11	3	Policy Mix to support Digital Industry in Developing Countries; Do we need New Instruments or can Traditional Policies suffice?	David Walwyn
12	16	Egypt X.0... Moving behind Industry 4.0 towards Industry X.0	Mohamed Azzam
13	49	Measuring Competitiveness of Select Firms in AI Segments: Exploring Softer Dimensions of Technology Management	Kirankumar S. Momaya
14	71	The Development of Strategic Management and its Relationship with Innovation Studies	Sehwa Wu
15	84	Digital Transformation and Learning Communities in the Practice of Project Management	Robert Bierwolf



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Parallel Sessions Details (DAY 1)

- **Date:** Monday: 14.09.2020 – 2:00pm – 4:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practice
- **Session Chair:** Karuna Jain
- **Session Co-Chair:** Benoit Gaussin
- **Session Coordinator:** Rameez Barakat, Saher Ali
- **Room:** Room 4

#	Paper ID	Title	Presenter
16	11	Sectoral Contextualization of Technological Capabilities: A View of the Oil and Gas Sector	Marie-James Sibe
17	31	A Contingency Approach to the SMES' Internationalization Practices: A Case Study in the United States	Benoit Gaussin
18	100	Research on the Dominant Logic of News Media Management: Cases of Taiwan Media	Hai-Lan Yang
19	150	A Systematic Literature Review Of Iot- Driven Application In Healthcare (Presentation Only)	Pratima Bhagat
20	227	Enterprise social Media for digital Transformation: A systematic Literature Review	Leandro Feitosa Jorge



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Parallel Sessions Details (Day 2)

- **Date:** Tuesday 15.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** Technology Trends
- **Session Chair:** Mohamed Azzam
- **Session Co-Chair:** Maria Fatima Ludovico de Almeida
- **Session Coordinator:** Shahd Ashraf, Ahmed Ashraf
- **Room:** Room 1

#	Paper ID	Title	Presenter
1	139	Electric and Hybrid Vehicles: Evolution and Technological Trends	James Manoel Guimarães Weiss
2	152	Industry 4.0 - A Skills Gap Analysis at an Electricity Utility	Nkosenhle Mthiyane
3	184	Emerging Digital Technologies for Industry 4.0: A Longitudinal Science Mapping Approach	Maria Fatima Ludovico de Almeida
4	191	Developing Driver Reputation Score using IOT Based On-Board Diagnostic Tool	Binilkumar Amarayil Sreeraman



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Parallel Sessions Details (Day 2)

- **Date:** Tuesday 15.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** Innovation, Entrepreneurship & Competitiveness
- **Session Chair:** Raman Agrawalla
- **Session Co-Chair:** Mohamed Kholief
- **Session Coordinator:** Yasmine Emad, Ammar Sherif
- **Room:** Room 2

#	Paper ID	Title	Presenter
5	37	Arts Entrepreneurship by Bricolage: The Resource Boundary View	Hui-Fen Chen
6	141	Government Innovation 4.0: The Roadmap to Digital Transformation in Egypt	Mohamed Kholief
7	181	Innovation Patterns in Knowledge-Intensive Business Services in an Emerging Market Economy	Manuel Calçada de Sousa
8	205	The New Complexity and New Dynamics of Technological Change; and its Effects on Innovation Management	María Del Pilar Escott Mota
9	276	Grassroot Innovations For Institute Flexibility: Leveraging Management Of Technology To Improve Learner Health Through Regular Practices	Wasim Rahman



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Parallel Sessions Details (Day 2)

- **Date:** Tuesday 15.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** Strategy, Programs & Projects
- **Session Chair:** Anuja Agarwal
- **Session Co-Chair:** Noah Ogano
- **Session Coordinator:** Mohamed Emam, Asmaa Adel
- **Room:** Room 3

#	Paper ID	Title	Presenter
10	4	Effect of Variability in Project Management Competence on Project Delivery	Noah Ogano
11	52	4IR Technologies for Business Modelling and Optimisation	Chuk Medoh
12	56	Barriers towards Energy Digitization: An African Perspective	Oliver Nwauka
13	87	Technology-Transfer from Public Funded Mission-Oriented Research Organizations to Industries: Systematic Literature Review	Thyagaraju Ponangi Hanumath
14	266	The Effects of Technology Transfer via Foreign direct Investment on Improvement of Technological Capabilities (Case Study in the Iranian Auto Parts Industry)	Saeed Baghdadi



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Parallel Sessions Details (Day 2)

- **Date:** Tuesday 15.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (1)
- **Session Chair:** Mohamed M. Awny
- **Session Co-Chair:** Hui-Fen Chen
- **Session Coordinator:** Ghadir Moamen, Bahaa Ashraf
- **Room:** Room 4

#	Paper ID	Title	Presenter
15	38	Bricolage through Interactive Objects: The Roles of Interaction and Object on Bricolage in Team	Hui-Fen Chen
16	43	Investigation of Critical Factors in the Value Creation of the SME Business in Thailand	Yao-Te Tsai
17	89	CO-CREATION OR CO-OPETITION? A CASE STUDY OF A DEEP-TECH VENTURE AND ITS CORPORATE VENTURE INVESTORS	Tsung-Hsien Han
18	149	Prognostics and Health Management Modelling: Applying Machine Learning Techniques to develop a Predictive Maintenance Strategy in the Railway Environment	Jacques Coetzee
19	171	A Conceptual Framework for Machine Ethics Development and Adoption	Francois Theron



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Parallel Sessions Details (Day 2)

- **Date:** Tuesday 15.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (2)
- **Session Chair:** Laure Morel
- **Session Co-Chair:** Kiyohiro Yamazaki
- **Session Coordinator:** Rana Hesham, Mark William
- **Room:** Room 5

#	Paper ID	Title	Presenter
20	33	A Research on Serial Product Value Conversion Process	Kiyohiro Yamazaki
21	61	A New Formulation for the Yard Crane Scheduling Problem with Energy Consumption Considerations	Mohamed Abdelmoniem
22	91	Patent Portfolio in Nuclear Technologies and development Policies: Lessons for Sustainability	Daniela Archila
23	107	A Proposed Mathematical Model for Production Planning Problem in the Brewing Industry	Zakaria Yahia
24	132	The Challenge of SMEs' Export: The Case of Argentine Wine Companies	Soledad Gili



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Parallel Sessions Details (Day 2)

- **Date:** Tuesday 15.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (3)
- **Session Chair:** Geerten van de Kaa
- **Session Co-Chair:** Jordan Lourens
- **Session Coordinator:** Saher Ali, Rameez Barakat
- **Room:** Room 6

#	Paper ID	Title	Presenter
25	22	New Artist, Who Dis? Digital Platforms And The Music Industry Of Small Island Developing States: The Case Of Curaçao (Presentation Only)	Jordan Lourens
26	62	Emerging Data Acquisition Technologies in Railway Infrastructure Condition Monitoring and the Adoption Challenges	Johannes W. van Schalkwyk
27	123	Digital Applications using Real-Time Vehicle Exhaust Information	Mohammad Fahad Bin Alam
28	271	Exploring Role of Technology Management for Competitiveness of Software Firms in Industry 4.0: Case of an Emerging Global it Leader from India	Akash Kumar



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Parallel Sessions Details (Day 3)

- **Date:** Wednesday 16.09.2020 - 11:00am - 1:00pm Cairo Local Time (GMT +2)
- **Track:** Technology Trends
- **Session Chair:** Paulo Zawislak
- **Session Co-Chair:** Rosângela Stankowitz
- **Session Coordinator:** Ahmed Ashraf, Shahd Ashraf
- **Room:** Room 1

#	Paper ID	Title	Presenter
1	5	Evolving Dynamics of Heterogeneous SAAS Applications and Business Process Automation in Real-Time Enterprises	Vikas Shah
2	35	The use of Artificial Intelligence in the Lumbar Puncture Procedure to minimise Complications in Patients	Tawanda Mushiri
3	47	The Fourth Industrial Revolution: Prospects and Challenges for Africa	Rendani Mamphiswana
4	174	Proposal of an Electronic Health Record Integrated to an Artificial Intelligence System for Early Detection of Sepsis	Rosângela Stankowitz
5	231	Fintech Platforms and Competitiveness: Exploring Role of MoT as a Differentiator for Fio's firms of Indian Origin (FIOs)	Kirankumar S. Momaya



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Parallel Sessions Details (Day 3)

- **Date:** Wednesday 16.09.2020 - 11:00am - 1:00pm Cairo Local Time (GMT +2)
- **Track:** Innovation, Entrepreneurship & Competitiveness
- **Session Chair:** BRENO NUNES
- **Session Co-Chair:** Ernie Weyers
- **Session Coordinator:** Ammar Sherif, Yasmine Emad
- **Room:** Room 2

#	Paper ID	Title	Presenter
6	64	Institutional Entrepreneurs in the Field of Education: Achieving Goals through Innovation	Huan Wei Liang
7	137	A Business Model for a Multi-Tenancy Platform enabling Supply Chain Visibility between the National Department of Health and Private Suppliers	Ernie Weyers
8	140	Modeling The Innovativeness Of Smes/Start-Ups: The Case Of Egypt (Presentation Only)	Mohamed Kholief
9	158	Tracing Research Status and Trend of Aging Service Robotics in China: A Patent-Based Approach	Liping Fu
10	223	Entrepreneurial Ecosystems: Global Practices and Reflection on the Egyptian Context	Heba Labib



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Parallel Sessions Details (Day 3)

- **Date:** Wednesday 16.09.2020 - 11:00am - 1:00pm Cairo Local Time (GMT +2)
- **Track:** Strategy, Programs & Projects
- **Session Chair:** Gita Surie
- **Session Co-Chair:** Ahmed Saleh
- **Session Coordinator:** Asmaa Adel, Mohamed Emam
- **Room:** Room 3

#	Paper ID	Title	Presenter
11	13	Strategies for Competitiveness in a Digital World	Gita Surie
12	125	Antifragile Organisations: Gaining instead of Failing from Disruption	Joanie Geldenhuys
13	209	Application of Public Governance Practices in Public Universities Technological Innovation Centers	Gerson Ishikawa
14	233	Digital Transformation Strategy Framework	Ahmed Saleh



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Parallel Sessions Details (Day 3)

- **Date:** Wednesday 16.09.2020 - 11:00am - 1:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (1)
- **Session Chair:** Tinus Pretorius
- **Session Co-Chair:** Andrew Oladugba
- **Session Coordinator:** Bahaa Ashraf, Ghadir Moamen
- **Room:** Room 4

#	Paper ID	Title	Presenter
15	57	A Study on Enhancement Plans for Rural Small to Medium Brick Manufacturers	Portia Mahumapelo
16	81	An IOT Based System Predictive Maintenance and Operations Scheduling System for Yard Crane Control in Container Terminals	Andrew Oladugba
17	135	Bibliometric Analysis of Technology Management Research Topic Trends	Rudolph Oosthuizen
18	272	The Importance of Understanding the Market Before Introducing a New Product: A Case study	Humna Hassan Malik



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Parallel Sessions Details (Day 3)

- **Date:** Wednesday 16.09.2020 - 11:00am - 1:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (2)
- **Session Chair:** Ruchita Gupta
- **Session Co-Chair:** Shalini Singh
- **Session Coordinator:** Mark William, Rana Hesham
- **Room:** Room 5

#	Paper ID	Title	Presenter
19	53	The Effectiveness of an Inventory Management System at a Tobacco Manufacturer	Fumani Ngobeni
20	108	Optimization and System Dynamics-Based Simulation for Electricity Generation-Mix Planning and GHG Emissions Mitigation	Zakaria Yahia
21	114	Supply Chain Management of Milled Grain Products: A Review and Conceptual Framework	Zakaria Yahia
22	185	Connecting Nanotechnology in the Food Safety Value Chain - An Adaptation of a Food Safety Standard	Shalini Singh
23	192	Managing Supplier Quality in the Supply Chain of an Electronics Manufacturing Organization	Nomthandazo Nkosi



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Parallel Sessions Details (Day 3)

- **Date:** Wednesday 16.09.2020 - 11:00am - 1:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (3)
- **Session Chair:** Osman Ahmed
- **Session Co-Chair:** Shu-Hua Li
- **Session Coordinator:** Rameez Barakat, Saher Ali
- **Room:** Room 6

#	Paper ID	Title	Presenter
24	44	Crafting as Cultivation: The Capability View of Job Crafting	Hui-Fen Chen
25	80	Towards an Approach for Applying Reality Technology in Railway Training and Maintenance	Johannes Jooste
26	222	Organizational Function Boundaries of Enterprise Innovation in the Internet Technology Environment: A Case study on the Interface between Research and Development Departments and Information Departments in the Information Software Service Industry	Shu-Hua Li
27	256	Green Telecommunication: Are We Ready To Adopt It?	Shikha Sargam
28	262	Human Resource Capacity and Innovation Capability in the Food and Beverage Firms	Helen Olubunmi Aderemi



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Parallel Sessions Details (Day 4)

- **Date:** Thursday 17.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** Technology Trends
- **Session Chair:** Leon Pretorius
- **Session Co-Chair:** María Luisa Villalba Morales
- **Session Coordinator:** Shahd Ashraf, Ahmed Ashraf
- **Room:** Room 1

#	Paper ID	Title	Presenter
1	8	Modelling the Potential Impact of e-Content and e-Learning in Education Outcomes of Poor SA Schools in the 4th Industrial Revolution Era	George Maluleke
2	113	Data Analytics Maturity Models: A Systematic Literature Review	Ziad Diab
3	186	Logistics 4.0 Technologies In Agriculture Systems: Potential Impacts in the SDG	María Luisa Villalba Morales
4	226	Guidelines for selecting Emerging Technology Features for Cloud ERP	Ahmed Fayed
5	268	Analysing The Impact Of Artificial Intelligence on the Competitiveness Of Tourism Firms Using Modified Total Interpretive Structural Modeling (TISM)	Kamakshi Sharma



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29th International
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Parallel Sessions Details (Day 4)

- **Date:** Thursday 17.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** Innovation, Entrepreneurship & Competitiveness
- **Session Chair:** Ayman Ismail
- **Session Co-Chair:** Yannick Patrick Carrasco Merma
- **Session Coordinator:** Yasmine Emad, Ammar Sherif
- **Room:** Room 2

#	Paper ID	Title	Presenter
6	36	Innovation Stories Platform: A Holistic Framework for Innovation Case Studies	Fatima E. Hamdani
7	40	Actors in Innovation Network Life Cycle in Iran's Space Industry	Mohammad Ardakan
8	48	Task Conflict and Innovative Behavior: The Role of Constructive Conflict and Grit	Hsueh-Liang Fan
9	126	An Innovation Management Approach for the Digital Transformation of Industries Maturity Assessment: Case Studies in the Peruvian Mining	Yannick Patrick Carrasco Merma
10	202	Shaping National Innovation Systems: Firms and the Coevolution of Technology and Institutions	Helena Espellet Klein
11	274	Towards a Modelling Framework for Innovation for Inclusive Development Systems: A scoping Review of the Literature	Michal Venter



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Parallel Sessions Details (Day 4)

- **Date:** Thursday 17.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** Strategy, Programs & Projects
- **Session Chair:** David Bennett
- **Session Co-Chair:** Thyagaraju Ponangi Hanumath
- **Session Coordinator:** Mohamed Emam, Asmaa Adel
- **Room:** Room 3

#	Paper ID	Title	Presenter
12	29	Influences on Knowledge use in Projects	Christoff Müller
13	54	A Comparative Analysis of Project Management Frameworks	Oreratile Senokoane
14	66	Early Life Cycle Design Management – A Case Study on MBSE Deployment in Project Execution	Philip Steyn
15	82	Technology-Transfer from Public Funded Mission-Oriented R&D: A Case from India	Thyagaraju Ponangi Hanumath



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Parallel Sessions Details (Day 4)

- **Date:** Thursday 17.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (1)
- **Session Chair:** Kirankumar S. Momaya
- **Session Co-Chair:** Asmaa Alazab Ahmed
- **Session Coordinator:** Ghadir Moamen, Bahaa Ashraf
- **Room:** Room 4

#	Paper ID	Title	Presenter
16	41	Determinants of the Financial Failure of the Business Public Sector as applied on the Textile Sector	Asmaa Alazab Ahmed
17	97	Managing Urban Infrastructure Transitions for Smart Sustainable Cities	Heinrich Geldenhuys
18	175	Demand Management Practices: A Look at the South African Food and Beverage Industry	Erick Bakama
19	220	Getting Complementors On Board: Empirical Evidence From The 7th And 8th Generations Of Video Game Consoles (Presentation Only)	Vladimir C. M. Sobota
20	264	A Scoping Review for the Development of a Maturity Framework for Advanced Manufacturing Technologies: The Case for Cemented Tungsten Carbides	A.J. Burger



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Parallel Sessions Details (Day 4)

- **Date:** Thursday 17.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (2)
- **Session Chair:** John O. Aje
- **Session Co-Chair:** Juliana Serna Rodas
- **Session Coordinator:** Rana Hesham, Mark William
- **Room:** Room 5

#	Paper ID	Title	Presenter
21	58	South African Digital Strategy for Agriculture: Investigating End to End Digital Technologies applicable in the Agriculture Value Chain	Linda Njomane
22	218	Simplified Modelling for Power Consumption of Base Station Sites in Mobile Telecommunications systems	Mostafa Hegazy
23	257	Exploring the Relationship Between Customer Needs and Product Target Specifications for Cosmetic Emulsions	Juliana Serna Rodas
24	263	A scoping Review of Additive Manufacturing Policies	Michelle Mc Clelland
25	267	A scoping Review of the Use of data Analytics for the Evaluation of Health Applications	Ané van Schalkwyk



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Parallel Sessions Details (Day 4)

- **Date:** Thursday 17.09.2020 - 12:00pm - 2:00pm Cairo Local Time (GMT +2)
- **Track:** MOT & Practices (3)
- **Session Chair:** Mohamed Ezzat
- **Session Co-Chair:** Hanan Elgezery
- **Session Coordinator:** Saher Ali, Rameez Barakat
- **Room:** Room 6

#	Paper ID	Title	Presenter
26	50	Managing Carbon Emissions Risks: A Literature Review within a South African Context	Simphiwe Zuma
27	143	Current Approaches on Chemical Product Design: A Study of Opportunities Identification for Integrated Methodologies	Javier Arrieta-Escobar
28	169	Artificial Intelligence for Retail Industry In Egypt: Challenges and Opportunities	Hanan Elgezery
29	265	The Impact of digitalization and Additive Manufacturing on Business Models and value Chains: A scoping Review	Ane van Heerden