Call for Papers
International Conference

Toward a digital transformation Policy, Progress, challenges, and key themes in Higher Educational Institutions

Organized by the Association of Arab Universities (AARU)
Feb. 12-14, 2024, Amman, Jordan

Introduction

University leaders are reporting that their academic and administration processes are experiencing rapid change and accentuating the crucial need to keep up with the expanding digital industry. The challenge for them now is to build the structures and culture in their universities to incorporate digital developments and maintain the necessary progression. The conference aims to provide a platform for discussion and transformative action on the challenges and opportunities of digital transformation.

The conference is hosting keynote speakers representing local and international sectors of great leverage with a focus on information technology specialists, and digital transformation experts among others.

Conference aims

The conference also aims to contribute to pushing the wheel of digital transformation and cybersecurity best practices in universities forward, in the context of the rise of digital transformation which blurs traditional university management and will explore the emerging digital environments of innovation and collaboration and empower their graduate's employability.

The conference aims to host scholars' academic research linked to digital transformation in university management and provide a platform for universities to undertake and acquire new knowledge and experience and transformative action on digitalization creativity and change and to investigate the adoption of digital solutions in the context of different university processes, at different levels (strategic, tactical, operational) and in a variety of universities and countries. Studies from different fields such as Innovation Management, Industry 4.0/Digital Transformation, and Advanced Educational and Administrative Services. In addition to present the latest digital creative achievements for local, regional, and international industrial companies.

We look forward to enriching the conference with your academic and technical contributions.

- *The conference sponsors will be given the opportunity to present their products to the participants.*
  - *The articles accepted at the conference will be published in the journals of the Association of Arab Universities, in addition , the best articles scoped the computer science will be published in an indexed scientific journal.*

مقدمة

تشهد الجامعات بجوانبها الأكاديمية والإدارية تغيرًا سريعًا ، وبالتالي تبرز الحاجة الماسة لمواكبة الصناعة الرقمية الآخذة في التوسع. إن التحدي الذي تواجهه الجامعات الآن هو بناء الهياكل والثقافة لدمج التطورات الرقمية والحفاظ على التقدم الضروري. ويأتي هذا المؤتمر بهدف لتوفير منصة للنقاش والعمل التحويلي حول تحديات وفرص التحول الرقمي. يستضيف المؤتمر متحدثين رئيسيين يمثلون قطاعات محلية ودولية ذات تأثير كبير لاسيما متخصصي تكنولوجيا المعلومات وخبراء التحول الرقمي وغيرهم.

أهداف المؤتمر

ويهدف المؤتمر المساهمة في تحسين ممارسات التحول الرقمي والأمن السيبراني في الجامعات ودفعها إلى الأمام، في سياق صعود التحول الرقمي الذي يطمس إدارة الجامعة التقليدية ويستكشف البيئات الرقمية الناشئة للابتكار والتعاون وتمكين خريجيها من قابلية التوظيف.

كما يهدف المؤتمر استضافة العلماء والبحوث الأكاديمية المرتبطة بالتحول الرقمي في إدارة الجامعة وتوفير منصة للجامعات لإجراء واكتساب معرفة وخبرة جديدة وعمل تحويلي على الإبداع الرقمي والتغيير والتحقيق في اعتماد الحلول الرقمية في مختلف العمليات الجامعية وعلى مستويات مختلفة (إستراتيجية، تكتيكية، تشغيلية) وفي مجموعة متنوعة من الجامعات والبلدان. دراسات في مجالات مختلفة مثل إدارة الابتكار والثورة الصناعية 4.0 والتحول الرقمي والخدمات التعليمية والإدارية المتقدمة بالإضافة إلى عرض أحدث الإنجازات الرقمية الإبداعية للشركات الصناعية المحلية والإقليمية والدولية.

نتطلع إلى إثراء المؤتمر بمساهماتكم الأكاديمية والتقنية.

- تمنح فرصة لرعاة المؤتمر للتعريف بمنتجاتهم للمشاركين.
- تنشر الأبحاث المشاركة في مجلات اتحاد الجامعات العربية بالإضافة إلى أنه سيتم اختيار أفضل الابحاث المتخصصة في علوم الحاسبات لتنشر في مجلة علمية مفهرسة.

Conference Topics

1. New technology, digital inclusion, open data, and innovation research in digital transformation
2. Digital and smart universities: fostering digital universities' effective use of digital technologies.
3. Cybersecurity.
4. Enabling Environment: Cyber Legislation and Regulatory Frameworks for New Technology
5. Experiences and practices in learning and teaching considering digital transformation, lessons, and learning about best practices (identifying the pros and cons).
6. The role of emerging digital technology skills and ways to employ them.
7. The modern global trends towards teaching and learning, and the stage of digital transformation, a future vision
8. The Impact of 4th Industrial Revolution (4IR) on Education Contents
9. Digital transformation of institutions and innovation management
10. Other related aspects of digital transformation

موضوعات المؤتمر

1. التكنولوجيا الجديدة، والانتشار الرقمي، والبيانات المفتوحة، وبحوث الابتكار في التحول الرقمي
2. الجامعات الرقمية والذكية: تشجيع الجامعات الرقمية على الاستخدام الفعال للتقنيات الرقمية
3. الأمن السيبراني
4. البيئة التمكينية: التشريعات السيبرانية والأطر التنظيمية للتكنولوجيا الجديدة
5. الخبرات والممارسات في التعلم والتدريس في ضوء التحول الرقمي والدروس والتعرف على أفضل الممارسات (تحديد الإيجابيات والسلبيات).
6. مهارات التكنولوجيا الرقمية الناشئة وطرق توظيفها
7. الاتجاهات العالمية الحديثة نحو التعليم والتعلم، ومرحلة التحول الرقمي- رؤية مستقبلية
8. أثر الثورة الصناعية الرابعة على محتويات التعليم
9. التحول الرقمي للمؤسسات وإدارة الابتكار
10. الجوانب الأخرى ذات الصلة بالتحول الرقمي

Conference Program

Organizing Committee

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Secretary General of Association of Arab Universities

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Prof. Bessais Taher	University of Algeria3	Algeria
Dr. Saida Jaser Mahmoud Affouneh	AN-Najah National University	Palestine

Keynote Speakers

Prof. Dr.-Ing. habil. Jorge Marx Gómez

Sustainability as Driver for Digital Transformation in Higher Education

Since 2006 Prof. Dr.-Ing. Jorge Marx Gómez is Full Professor and the Head of the Chair of Business Information Systems (Very Large Business Applications) at the Carl von Ossietzky University of Oldenburg (Germany). He is the Director of the Center for Environmental and Sustainability Research (COAST) at Oldenburg University and board member of the Energy Group at OFFIS-Institute. Prof. Dr. Marx Gómez studied Computer Engineering and Industrial Engineering at the University of Applied Science in Berlin (Germany. From 2002 until 2003 he was a visiting professor for Business Informatics at the Technical University of Clausthal (Germany) and worked as guest lecturer in different countries. In 2004 he received his postdoctoral lecture qualification (Habilitation) at the Otto-von-Guericke-University Magdeburg. In 2004 he received an Honorary Professorship in Business Informatics at Universidad Central de las Villas (Cuba). Prof. Dr. Marx Gómez's research interests include business information systems, federated ERP systems, software technology, business intelligence, data science, deep learning, interoperability, environmental management information systems, ICT for sustainability, and e- and mobile commerce. Prof. Dr. Jorge Marx Gómez successfully coordinated several national and international research, capacity building and mobility projects (Tempus, Erasmus Mundus, Erasmus+, DAAD) and participated in several EU-FP7 projects.

Prof. Ismail Abdel Ghafar,

President - Arab Academy for Science, Technology and Maritime Transport, Egypt

Prof. Dr. Ismail Abdel Ghaffar Ismail Farag has been President of the Arab Academy for Science, Technology and Maritime Transport - one of the specialized Arab organizations of the League of Arab States - since October 2011 until now. Prof. Dr. Ismail Abdel-Ghaffar obtained a Ph.D. in the field of electrical engineering, specializing in computer engineering, from George Washington University in 1989. Prof. Dr. Ismail Abdel-Ghaffar has a long experience of about 39 years in the fields of electrical engineering, research and advanced technology. Prof. Dr. Ismail Abdel Ghaffar held many positions and responsibilities; Prof. Dr. Ismail Abdel Ghaffar has many researches published in specialized international scientific journals such as the International Journal of Computer Science and Network Security. Prof. Dr. Ismail Abdel Ghaffar enjoys membership in many international bodies and organizations, such as the International Maritime Organization, the World Maritime University, the Association of Arab Universities, the International Association of Maritime Universities, the International Maritime Transport Forum, and the Higher Technical Committee for the establishment of the Arab Data Bank for the transport sector in the League of Arab States. - The Head of the League of Arab States official Delegation, IMO Council, (United Nation), London, UK, November 2011 – Now.

Prof. Ashraf Hussein,

King Salman International University, South Sinai, Egypt

ASHRAF S. HUSSEIN is a Professor of Scientific Computing
Dr. Hussein was appointed to the Supreme Council of Egyptian Universities in 2005 to lead several country-wide projects funded by the World Bank and European Commission till 2010. In 2010, he established the Electronic and Knowledge Services Center at the Supreme Council of Egyptian Universities to support digital transformation in higher education and provide e-services to the stake to the stakeholders of government and private universities. From 2013 to 2019, Dr. Hussein had a secondment to the headquarters of the Arab Open University, the sole agent of the Open University, United Kingdom, to serve as a Dean of Engineering and Computing, then as a Vice President for Information and Education Technology. In 2020, Dr. Hussein was appointed as the founding President of King Salman International University to lead the establishment of the university as a state of the art fourth generation national university in South Sinai, Egypt. Dr. Hussein has authored more than 100 published scientific papers and issued patents.

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Important Dates
1. Abstract- deadline Submission: Oct. 20, 2023
2. Acceptance notification: Dec. 20, 2023
3. Full-Text Article – deadline Submission: Jan. 10, 2024

Fees

200 $ - Participants

150$ - Students

Fees payment deadline: 30/12/2023

ترسل الأبحاث من خلال الموقع الإلكتروني

https://dtcsc.aaru.edu.jo/

Registration

تسهيلات فندقية

Accommodation facilities

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