

Conf-IRM 2024, May 26th – 28th, 2024

School of Business, The American University in Cairo, Egypt

Track 7: Designing and Implementing Digital Systems – an Industry Perspective

Track description

Digital Transformation has been disrupting almost every aspect of life and business over the past decade seen in the dramatic shift in how people and organizations are conducting day-to-day activities. Although the visions and aspirations of Digital Transformation are becoming solid day after day, the implementation of such transformation into working solutions is giving rise to challenges, risks and obstacles. Emerging technologies are playing key roles in enabling and realising real value to stakeholders at different levels. We are inviting contributions to this track that demonstrate and discuss the applications of information and communication technologies in different practices, vertical industries and business domains. We invite reports on cases that show impact through helping organizations achieve business goals and cultivate innovative and effective strategies. We also invite work that describes the leveraging of digital transformation and emerging technologies on the dimensions of culture, customer experience, offerings and sustainability among others.

Possible topics

Topics of interest include, but are not limited to:

1. Digital Transformation Models, Frameworks, Methodologies and Adoption Use Cases.
2. Enterprise Architecture, Software Architecture, Engineering, Design and Quality Models.
3. Data Management and Governance Frameworks, Scalable Data Processing and Technologies.
4. Scalable Transformation Engineering: Agile Development, Scrum, Lean Kanban, DevOps, AIOps and PPM, Large Scale Applications Deployment, Monitoring, Management and Sustainability.
5. Blockchain Applications, Distributed Ledger Technology, Distributed Systems and Web 3.0
6. Internet of Things (IoT), Industry 4.0, Digital Twins, Autonomous Agents and Embedded Systems.
7. Applications Integration, APIs Architecture and Management, Microservices and Platforms.
8. Customer-Centric Transformation, Customer Experience/Behaviour and Digital Marketing.
9. Cloud Computing and Integration, Cloud-Native Software Engineering and Cloud XaaS Models.
10. Enterprise Business Applications Transformation, Applications Modernization and Automation.



Conf-IRM 2024, May 26th – 28th, 2024

School of Business, The American University in Cairo, Egypt

11. Virtual Reality, Augmented Reality, Gamification and Customer Engagement Models.
12. Innovation Verticals (FinTech, HealthTech, AgriTech, EduTech, RegTech, BioTech and similar).

Important Dates

Paper Submission Deadline: 31st January 2024

Track Co-Chairs

Hanan Moussa, The American University in Cairo, Egypt hmousss@aucegypt.edu

Eng Hisham Arafat, Nile University/innovay.io, Egypt, harafat@nu.edu.eg

