ICTO 2019 conference

Call for research papers

The Impact of Artificial Intelligence on Business and Society

Oct 24-25, 2019

Today, Artificial Intelligence is shaping human activity in organizations and in society.
But, **what do we know about their design, their usage, and their impact?**
This conference is concerned with these Information Systems, shedding light on how they are, and how they will be understood, adopted, implemented, adapted, and used within organizations and more generally, within the society as a whole.

The main focus will be on how actors understand the potential of Artificial Intelligence (AI) to support organizational activities and hence how they adopt and adapt these technologies to achieve their goals.

We are interested in different areas of the organization's strategy through new business models, competitive strategies, knowledge management, etc. Specific areas are concerned such as marketing, human resource management, project management, operation management, innovation management, etc.

These questions can be addressed both in private and public sector either national or international e.g. though development policies, in industry and services. We are also interested in how AI impacts society through sustainable development and social responsibility.

We invite submissions in all areas of IS and organizations especially innovative, interesting and rigorously developed conceptual and empirical contributions. We also encourage multi- or inter-disciplinary research.

ICTO 2019 Conference:
ICTO 2019 is the fifth version of ICTO international conference that attracts multidisciplinary contributions on information systems from the areas of organization, management, marketing, human resources, accounting, and supply chain mainly submitted by international scholars.

ICTO conferences are characterized by their friendly atmospheres that offers scholars the opportunity for high quality discussions and feedback, valuable networking opportunities both within the academic community and the international IS Community.

ICTO 2019 Topics (including but not limited to):
- The role of AI for the digital transformation: awareness and knowledge challenges in emerging and developed countries

- AI and the interplay with (Blockchain/BDA/CPS/IoT/M2M/smart cities/Additive manufacturing/Circular economy/Social media) enabled-business process innovation at the firm and supply chain levels
- Determinants of the AI adoption in operations at the organizational and inter-organizational levels
- Determinants of the AI diffusion stages (intention, adoption, and routinization) in supply chains
- Accelerating innovation in agriculture by applying next generation Artificial Intelligence
- AI initiatives for business process management improvement
- Assessment of facilitators and inhibitors of AI adoption for supply chain management processes
- AI initiatives reporting performance improved, competitive advantage, and business value at the organizational and inter-organizational levels
- Implementation of IT infrastructure to support AI initiatives for improved operations management, lean & agile operations, quality management in operations and SCM
- AI, data analytics and intelligent sensors supporting optimization for smart manufacturing and Industry 4.0.
- AI and intelligent agents supporting business process digitization
- AI supporting human interaction and collaboration within organizations
- Facilitation of innovative electronic business models and operations by using AI/ML in various sectors (e.g., transportation, fashion, healthcare, retail industry, and manufacturing)
- AI and ethics

Important dates and useful information:

Deadline for submission: August 31st, 2019 (at 11:59 pm (UTC/GMT)
Notification of acceptance: Sept 15th, 2019
Camera ready paper: Sep 30th, 2019
Application for the Doctoral Consortium: Aug 31st, 2019
Doctoral Consortium: Oct 24th, 2019
Conference: Oct 24-25, 2019
Location: EDHEC, Lille

Research paper template: https://icto2019.webs.com/ICTO219-Template.doc
Research paper submission: https://easychair.org/conferences/?conf=icto2019

Publications in special issues: