Disruptive Technologies: Impacts on Users and Organizations
Free, 100% online, French time
July, 6, 2021

Overview

Disruptive technologies are changing how we live, work, learn, and interact. In particular, advances made in Artificial Intelligence (AI), Internet of Things (Smart technologies), Blockchain, Robotics, 3D printing, and Biotech are actually disrupting private and public organization's business models from different sectors, highlighting the needs for technical competences. Disruptive technologies are likely to address a variety of expectations and concerns and to provide individuals and organizations with huge benefits such as speed, efficiency, security, transparency, and traceability.

The aim of DTA21 conference is to critically examine the socio-economic and industrial impacts of disruptive technologies on individuals and organizations by focusing on five distinctive business domains: smart mobility, health, education & training, transport and logistics, and finance & banking.

Papers demonstrating original theoretical, methodological and practical contributions, solutions and real cases are particularly welcome.

Because of the COVID-19 and as the Organizing Committee is concerned about your safety, DTA21 will be fully online and free of charge

List of themes and non-exhaustive list of topics

Smart mobility – *Track Chair: Chantal Ammi, Institut Mines-Télécom Business School, France*

People's mobility raises several economic and sustainable issues. The diversity of transportation means has to coexist without losing their benefits and create risky situations for users. Hence, the point is to analyse the way disruptive technologies may address such issues. Topics of interest include:
- Remotely piloted systems (naval, ground, air)
- Autonomous systems (naval, ground, air)
- Enabling technologies (RFID, Virtual Reality, Augmented Reality, Face recognition, etc.)
- Smart Public transport
- Multimodality and hubs
- Smart traffic control

Health - *Track Chair: Galina Kondrateva, EDC Paris Business School, France*

The current sanitary situation and the need for a fast global answer shed light on existing solutions provided by disruptive technologies. Yet, data related to health are highly sensitive and so is the validation process. The inclusion of technologies within this sector raises several ethics, safety and security issues. The aim is to examine the relations between technologies and health. Topics of interest include:

- COVID-19 and e-health
- Teleconsultation
- Telemedicine cabin
- Acceptance of AI by both practitioners and patients
- Acceptance of e-health Internet of Things
- Data privacy regulations
- Collaborative technologies
- Biotech solutions

Education / Training (E&T) – *Track Chair: Pierre Barbaroux, Centre de Recherche de l'Ecole de l'Air, France*

Technological change has a major impact on education & training sectors (e.g., how to access, share and disseminate knowledge, how to acquire and consolidate skills, how to evaluate learnings, etc). Advances made in simulation-based techniques, serious gaming, distant learning, online training, etc. radically impacted E&T systems' designers, users (trainees and teachers) and professionals (public and private organizations). The latter are invited to rejuvenate their pedagogical models, methods and tools, experiment with novel approaches to knowledge acquisition and consolidation, elaborate on innovative assessment and evaluation metrics, adopt new mental models, develop new skills and practices, etc. This session aims at examining these disruptive impacts on technology on the E&T community at large. Topics of interest include:

- Pragmatist approaches to E&T (e.g., action-based, experiential learning)
- Simulation-based learning techniques (virtual, real, instrumental simulations, etc.)
- Serious gaming
- Semantic, symbolic, technical, contextual properties of new education & training techniques
- Distant learning, digital learning

Transport / Logistics - *Track Chair: Olivier Faury, EM Normandie Business School, France*

With the climate change, cargo transportation concentrates a lot of attention as one of the main contributors to global warming. At the same time, e-commerce delivery skyrocketed, enhancing the pressure on the transportation industry and creating potential traffic jams and noise pollution in cities. The question of AI and big data became a major topic as a way to optimize the flows of cargo. This session shall focus on the way technologies may help the transport industry to address these constraints. Topics of interest include:

- Multimodal transportation
- GHG emissions
- Green logistics
- Last kilometre management
- Tracking system
- Flows optimization

Finance / Banking - *Track Chair: Sabri Boubaker, EM Normandie Business School, France*

The banking and financial sectors are particularly disrupted by the progresses made in various technological domains. For instance, being able to track or secure financial flow is paramount. Thus, the use of disruptive technology such as AI or blockchain will have a huge impact on the way companies will be managed in the coming years. Topics of interest include:

- Finance and Digitalization
- Decentralized finance
- Green finance
- New models in Finance
- Cybersecurity
- Auditability
- Traceability
- Customer Relationship Management digitalization
- Disintermediation
- Financial innovations

Details of Paper Submission and Due Date

To comply with the peer review process, papers must be free of any information that would allow for the identification of the authors and their institutional affiliation. Therefore, the identity of author(s) must not be in the main body of the text.

Contributors should submit **an extended abstract** (800 to 1,500 words – tables, figures, bibliographic references included) and **a title page** both in a Word file and in English or French **no later than June 1, 2021** through the following e-mail address: conferencedta@gmail.com. *Please inform in the subject line of the email the track concerned: Smart mobility (SM) – Health (HE) – Education and Training (ET) – Transport / Logistics (TL) or Finance / Banking (FB).*

If the extended abstract is accepted, **a short abstract** (max 200 words) including reviewers' comments will have to be submitted **no later than June 30, 2021** through the following e-mail address: conferencedta@gmail.com. The short abstract will be published in the Proceedings.

In order to overcome potential technical issues the day of the presentation, **a visual presentation of the contribution** will have to be sent **no later than July 4, 2021** through the following e-mail address: conferencedta@gmail.com.

Guidelines

- Times New Roman 12
- Space line: 1,5
- Double space before paragraph / single space after
- Paragraph format: 1.; 1.1.; 1.1.1.
- Page numbering
- Bibliographic references: "APA 6th-full name"

Extended abstract (800 to 1,500 words)

- Title (Times New Roman 14 in bold)
- Main text
- 4 to 5 keywords
- Tables and figures
- Bibliographic references

Title page

- Firstname
- Lastname
- Title
- Institution
- Research Centre
- Email

Short abstract (max 200 words) for Proceedings

- Title
- Author(s) details (not including in the 200 words)
- Text
- 4 to 5 keywords

Important Date and Deadline

- Extended abstract and Title page: June 1, 2021
- Notification of acceptance: June 14, 2021
- Registration deadline: June 21, 2021
- Short abstract: June 30, 2021
- Visual presentation: July 4, 2021
- Event: July 6, 2021

Online Presentation

Presentation should last 15 to 20 minutes, including a 5-minute Q&A session.

Registration Process

Because of the COVID-19 and as the Organizing Committee is concerned about your safety, DTA21 will be fully online and free of charge.

Once contributors will be notified about the acceptance, they will receive information about the registration process through e-mail.

Organizing Committee

Stéphane Amarger (Non-Executive Director of La Fabrique du Futur), Patricia Baudier (EM Normandie Business School), Pierre Barbaroux (Centre de Recherche de l'Ecole de l'Air and Vice-President of the Réseau de Recherche sur l'Innovation), Olivier Faury (EM Normandie Business School), Aude Rychalski (EM Normandie Business School), Eric Seulliet (President of La Fabrique du Futur).

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Chantal Ammi, Institut Mines-Télécom Business School, France
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Marcos Lima, SKEMA Business School, France
Riadh Manita, NEOMA Business School, France
Francesco Schiavone, University of Naples, Italy – EMLyon Business School, France

Publication Opportunities

Selected papers could be submitted further for publication in one special issue of:

- *Research in International Business and Finance*: Artificial Intelligence and Machine Learning in Finance - Deadline for submission to the special issue: August 31, 2021.

https://www.journals.elsevier.com/research-in-international-business-and-finance/call-for-papers/artificial-intelligence-and-machine-learning-in-finance

- Other academic journal should be attached to the conference. Further information regarding the targeted journal will be communicated later

As for the Transport and Logistics and Smart mobility workshops, a best extended abstract will be invited to be published in *Supply Chain Forum: An International Journal*

Co-Organizers

EM Normandie Business School (https://em-normandie.com/fr) is a business school founded in 1870 and present in France (Le Havre, Caen and Paris) and abroad (Oxford and Dublin). With 5,000 students and professionals in training and 5,000 associated companies, EM Normandie Business School trains learners to meet the challenges of tomorrow and produces knowledge through the research work of its 95 permanent professors. The programs offered and the research themes relate in particular to IA and Marketing Strategy (in partnership with Epita), Supply Chain, Logistics and Innovations, Logistics and Port Management, FinTech. EM Normandie Business School also supports companies in their projects through Chairs and in particular the Digital Transformation Management chair (https://www.em-normandie.com/fr/la-chaire-management-de-la-digital-transformation).

Le Réseau de Recherche sur l'Innovation (RRI) (https://rrifr.univ-littoral.fr/) was created in 2006 at the initiative of researchers in economics and innovation management from France and abroad. The RRI brings together more than 600 researchers and practitioners, 48 research institutions, 26 countries, 10 local authorities and 24 companies. It promotes the development of knowledge on the information and knowledge society, the link between research and organizations, the analysis of the modes of appropriation of innovation by companies, the implementation of specific projects, assistance and advice and the dissemination of books, journals (in written or electronic form), newsletters and all types of publications related to the above goals indicated.

La Fabrique du Futur (www.lafabriquedufutur.co) is a Think & Do Tank with the ambition to help building the world of tomorrow, based on a more conscious, more symbiotic and more ethical society. La Fabrique du Futur acts by connecting innovation ecosystems and supporting businesses

and organizations to co-create desirable and sustainable futures with them. For this, La Fabrique du Futur is part of a "Techs for good" approach by aligning itself with the 17 SDGs (sustainable development objectives) of the UN.