



Information and Communication Technologies  
in Organizations and Society  
*Smart Technologies for an inclusive world*  
Paris, October 1st and 2nd, 2020



## Track Proposal for ICTO2020

### **TRACK: Artificial intelligence and sustainable (ESG) investing/finance**

#### **TRACK co-CHAIRS**

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#### **OVERVIEW OF TRACK**

Artificial intelligence (AI) could play a major role in unearthing key data for investors seeking sustainable investments. ESG (Environmental, Social and Governance) investing refers to a class of investing that is also known as “sustainable investing.

AI, whereby computers perform tasks traditionally done by humans, will act as a catalyst for sustainable investment because it will filter essential data that investors currently lack. Algorithms sift through the information, classify it and then make it available to investors much faster than a human analyst could. Algorithms can reduce human bias and identify more granular ESG data. AI may also be able to flag warning signs at an earlier stage. Jeroen Bos, head of specialized equity and responsible investing at NN Investment Partners Holdings N.V., said,

“My firm is increasingly using machine learning, big data analysis and natural language processing, through which computers analyze speech, in ESG investing.”

With the help of artificial intelligence financial institutions will be able to spot non-standard behavior patterns and unlock new opportunities. The artificial intelligence can help in auditing financial transactions and evaluate thousands of tax pages. To remain relevant in this data and technology driven environment, both academia and financial pros will have to learn and combine their efforts with these intelligent tools.

It is in this context this track aims to attract original contribution pertaining to artificial intelligence and big data and sustainable (ESG) investing/finance.

## INDICATIVE LIST OF TOPICS

The following topics are not intended to be exhaustive but are of interest to the .... track.

- Use of artificial intelligence in making investment and asset allocation decision.
- Challenges faced by financial institutions both in adopting and adapting to these new technologies.
- Application of AI to avoid “greenwashing”.
- Academic curriculum changes required to enable students to meet the needs of technology and data driven work environments in accounting, auditing and financial services profession.

## IMPORTANT DATES

- Paper Submission Opens: **April 1<sup>st</sup>, 2020**
- Paper Submission Deadline: **June 15<sup>th</sup>, 2020**
- Authors Notification: **July 31<sup>st</sup>, 2020**
- Final Submission: **August 31<sup>st</sup>, 2020**
- Conference Dates: **October 1-2, 2020**

## PAPER SUBMISSION GUIDELINES

Authors should submit original, unpublished research papers. All accepted papers will be published in a volume of the Springer Scopus indexed LNISO. Submissions should not be under consideration for any other conference or journal outlet. Submission of papers in PDF format is via Easychair.

<https://easychair.org/conferences/?conf=icto2020>