



Invited Talk: *Artificial Intelligence for Sustainable Finance*

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Short summary of the talk:

Developments in Artificial Intelligence (AI) and machine learning have led to the creation of a new type of ESG data that do not necessarily rely on information provided by companies. This presentation will review the use of AI for sustainable finance: textual analysis to measure firms' ESG incidents or verify the credibility of companies' concrete commitments, satellite and sensor data to analyse companies' environmental impact or estimate climate physical risk exposures, machine learning to fill missing corporate data (GHG emissions etc.). We also discuss potential challenges, in terms of transparency, manipulation risks and costs associated with these new data and tools.