

# Call for Papers for Workshop on Explainable AI in Finance at the ACM International Conference on AI in Finance (ICAIF '21)

The goal of this workshop is to bring together academic researchers, industry practitioners, regulators and financial experts to discuss the key opportunities and focus areas within Explainable AI (XAI) to face the unique challenges in the financial sector. A (non-exhaustive) set of topics of interest:

- Novel developments for existing XAI techniques, including: global methods such as intrinsically interpretable models or surrogate modelling; local methods such as counterfactual explanations, feature attribution and argumentation; information-theoretic methods; and qualitative and quantitative metrics for explanation quality.
- Practical deployment of XAI within financial domains: best practices and lessons learned.
- Reviews highlighting important challenges and open problems within XAI for Finance.
- User studies of consumer response to XAI techniques and AI model outputs.
- Novel datasets for use within the XAI in Finance community.
- Discussion on industry areas that are less automated and how best to leverage XAI moving forward.
- Quantitative approaches to financial regulation description and enforcement.

## Workshop Co-Chairs:

*Anupam Dutta, PhD*, Professor at Electrical and Computer Engineering Department and (by courtesy) Computer Science Department, Carnegie Mellon University Silicon Valley

*Himabindu Lakkaraju, PhD*, Assistant Professor at Harvard University with appointments in Business School and Department of Computer Science

*Daniele Magazzeni, PhD*, AI Research Director and Head of the Explainable AI Center of Excellence, J.P. Morgan AI Research

*Francesca Toni, PhD*, Professor in Computational Logic at the Department of Computing, Imperial College London and Royal Academy of Engineering/J.P. Morgan Research Chair in Argumentation-based Interactive Explainable AI

<b>When</b>	<b>Conference:</b> held virtually this year between <i>November 3-5, 2021</i> <b>Explainable AI in Finance Workshop:</b> November 3 <sup>rd</sup> , 2021 from 8:00h -12:00h EST
<b>Website</b>	<b>Conference:</b> <a href="https://ai-finance.org/">https://ai-finance.org/</a> <b>Explainable AI in Finance Workshop:</b> <a href="https://www.doc.ic.ac.uk/~afr114/ICAIF/index.html">https://www.doc.ic.ac.uk/~afr114/ICAIF/index.html</a>
<b>Format</b>	Short papers (4 pages plus up to one page for references) and long papers (8 pages plus up to one page for references).
<b>Template</b>	Papers must be formatted according to ACM's sigconf layout ( <a href="https://www.acm.org/publications/proceedings-template">https://www.acm.org/publications/proceedings-template</a> ).
<b>Submission link</b>	EasyChair ( <a href="https://easychair.org/conferences/?conf=xaif21">https://easychair.org/conferences/?conf=xaif21</a> ) <i>Papers must be submitted in pdf format on EasyChair and do not need to be anonymous.</i>
<b>Submission deadline</b>	1 <sup>st</sup> October, 2021
<b>Contact</b>	<a href="mailto:xaif21@easychair.org">xaif21@easychair.org</a>