



## IJCAI-2020 Special Track on AI in FinTech

FinTech (or Fintech), or financial technology, is at the epicentre of synergizing, innovating and transforming financial services, economy, technology, media, and telecommunication. FinTech nurtures new financial and economic mechanisms, models, products, services, and opportunities and strengthens existing system efficiency, cost-effectiveness, customer experience, risk mitigation, regulation, and security. AI is a keystone driver of FinTech.

### Topics

This Special Track on AI in FinTech seeks to stimulate the discussion, research and applications on AI for FinTech. We solicit quality papers on the state-of-the-art theoretical research, visionary opinion, and practical advancements of AI in FinTech. Topics include but are not limited to:

- Analyzing complex couplings, dependencies, interactions, relations and networking in finance
- Analyzing regional and global financial activities, behaviors, events and their impact and risk
- Jointly modelling natural, online, social, economic, cultural and political factors in finance
- Analyzing and learning multisource, multimodal and heterogeneous financial events and impact
- Analyzing and modeling high-dimensional, sequential and evolving financial events and impact
- Constructing benchmarkable financial data, knowledge graph and repositories
- AI for faster, cheaper and smarter design, simulation and evaluation of new financial mechanisms, models, products and services
- Real-time intelligent financial analysis and processing for cloud, online and mobile services
- AI-enabled regtech for digital authentication and identification and intelligent regulation
- AI for actionable, active, real-time, tailored and automated regulation of new, digital and mobile financial services
- Intelligent innovations in credit loans, SMEs and individual financing, P2P lending, crowdfunding, roboadvising, digital payment, dynamic credit rating, and asset pricing
- AI to analyze, predict and intervene new cybersecurity, fraud and risks in banking, insurance and finance
- Shallow, deep and reinforced analysis, representation and learning of financial businesses, networks, systems and problems
- Cross-market, product, indicator, platform and network modelling, hologram and risk analysis
- Analyzing financial crisis, exception, emergence, uncertainty and ill- to un-structured systemic risk
- Data-driven theories and tools for digital assets and their valuation, risk analysis and management
- New blockchain theories and tools for cryptocurrency, digital asset pricing, trading, mechanism design, smart contract, open banking and investment
- Intelligent algorithms, mechanisms, interfaces and systems for digital, mobile, virtual and Internet-based banking, financing, capital markets, regtech, insurtech, and paytech
- AI for assuring trust, privacy, security, compliance, explainability and ethics in FinTech
- Better practice and lessons of AI-enabled FinTech into implementation and productization
- Other important aspects, issues and progress associated with AI in FinTech

### Important Dates

- Abstract submission deadline: January 15, 2020 (11:59PM UTC-12)
- Paper submission deadline: January 21, 2020 (11:59PM UTC-12)
- Author response period: March 21-25, 2020
- Paper notification: April 19, 2020

### Submission, Review and Proceedings

Exactly the same as the IJCAI-20 main track. Please refer to <https://www.ijcai20.org/call-for-papers-fintech.html> for instructions.

### Enquiries

Please send all enquiries to the Special Track Chair Longbing Cao ([Longbing.Cao@uts.edu.au](mailto:Longbing.Cao@uts.edu.au)).