



A Workshop on Blockchain and AI

SCOPE

Blockchain and AI represent the two greatest innovations of this century. Blockchain gives us a payment and data-integrity platform that can help build trust in digital environments. AI gives computers an unbounded intelligence that is starting to rival the human mind. At present, there is very little crossover between the two disciplines. Each offers a vastly different value proposition to its users, who, in turn, must acquire different skill sets and master different technology.

But looking into the near future, this situation is changing rapidly. Blockchains can now accommodate large transaction volumes, opening up use cases in data services. For AI, this means that our algorithms can have integrity: we can be sure of the training set, algorithm development, and verifiable computation. This results in greater trust in our AI models and the removal of ambiguity and doubt. Successful models can also be reinforced by positive incentive models paid out in native blockchain tokens or other digital assets. Blockchain-based identity management can also help protect computers against complex human vs. AI identity questions in advertising and other consumer-facing services.

This workshop seeks proposals from industry and academic blockchain experts to address AI topics. Priority will be given to real-world use cases that can be implemented today and complement other conference themes, such as IoT.

We invite submissions on a wide range of research topics, spanning both theoretical and systems research, including results from industry and academic/industrial collaborations, related but not restricted to the following topics:

- Blockchain for AI
- Blockchain for IoT
- Distributed Computing
- Blockchain Databases
- Integration with Emerging Technologies

- Blockchain Tools
- Regulation and Law Enforcement

IMPORTANT DATES

Paper Submission Deadline: March 15, 2023

Acceptance Notification: April 30, 2023

Camera-ready submission Due: June 15, 2023

SUBMISSION INSTRUCTIONS

Authors are encouraged to see the submission instructions: <https://coinsconf.com/cfp/>

ORGANIZERS

Owen Vaughan, *nChain*, o.vaughan@nchain.com

Alessio Pagani, *nChain*, a.pagani@nchain.com

Mithun Mukherjee, *Nanjing Univ. of Info. Sci. & Technol.*, mithun@nuist.edu.cn