FATEsys 2022

The 2nd ACM SIGEnergy Workshop on Fair, Accountable, Transparent, and Ethical (FATE) AI for Smart Environments and Energy Systems (Co-located with ACM SenSys and BuildSys 2022)

Website: https://fatesys.github.io/2022/

Location

Boston, Massachusetts, USA

Important Dates

Submission: Aug 28, 2022
Notification: Sep 30, 2022
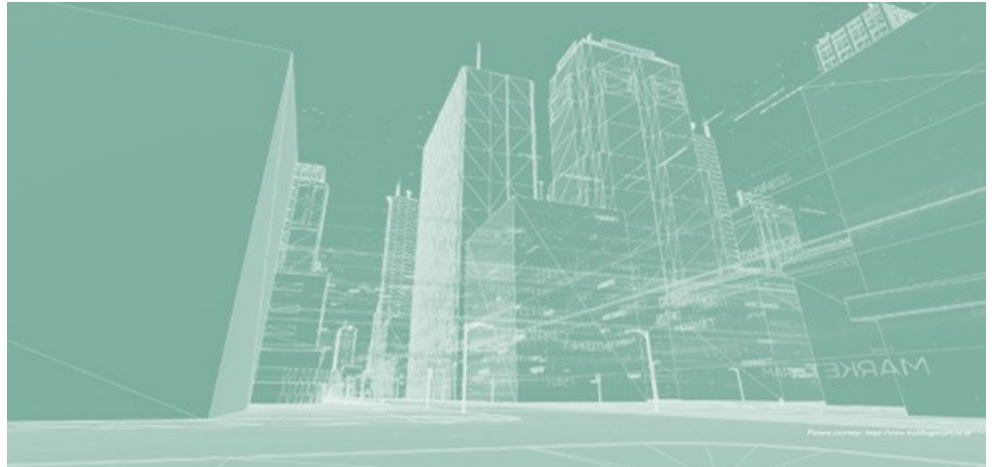Camera-ready: Oct 7, 2022
Workshop: Nov 9-10, 2022

Organization

Milan JAIN (Pacific Northwest National Laboratory, USA)

Pandarasamy ARJUNAN (Berkeley Education Alliance for Research in Singapore Limited, Singapore)

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Call for Papers

The aim of this workshop is to create a platform for the SenSys/BuildSys community to discuss developing AI-enabled smart environments and energy systems that are not just accurate but also take responsibility for their actions. We invite submissions including, but not limited to:

- AI for equitable energy systems in built environments, transportation, smart grids, and storage.
- Challenges in collecting representative data for fair training of the AI models
- Studies exploring type of biases in energy-related data and their implications
- Interpretable and explainable ML/AI models
- Ethics for AI-enabled smart energy systems
- Physics-informed ML for model interpretation
- Socio-economic impact of using ML/AI in smart-energy systems
- Challenges and solutions in sensing for smart energy systems
- Accountability of ML/AI models in smart energy systems
- Fair metrics for the evaluation of ML/AI methods
- Exploring visual analytics for bias evaluation in data and models
- Open-source datasets, tools, and platforms to enable FATE AI

Paper submission link: https://fatesys22.hotcrp.com/

SIGEnergy