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Fuzzy Modeling and Control of Operator Functional State in a Unified Framework of Fuzzy Inference Petri Nets

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Highlights

- A new fuzzy inference Petri net (FIPN) method is proposed for modeling and control of hybrid human-machine systems.
- A multi-model approach is developed for operator functional state (OFS) prediction using EEG data.
- Multiple fuzzy models are represented in a unified framework of FIPN.
- The simulation results verified the feasibility and effectiveness of the proposed FIPN method.

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