

Strategic & Trustworthy Cyber-Physical-Human Systems

CURRENT PROJECTS

Algorithmic Fairness in Kidney Placement

- Fairness **Feedback Aggregation** from Diverse Stakeholders.
- **Fair Predictive Analytics** in Kidney Placement Workflow.

Smart Inference and Influence in CPH Interaction

- Agile and Energy-efficient **Driver Intent Prediction** using Spiking Neural Networks and Electroencephalogram
- **Strategic recommendations** in crowdsourcing and transportation based on human preferences and capabilities.
- **Multimodal route recommendations** for smart transportation

Security in Intelligent Transportation Systems

- **Strategic Deception** against ransomware attacks on vehicles.
- **Real-time adversarial attacks** on multi-task neural networks

Resource Allocation in Fog-Enabled 5G Networks

- Near-optimal 5G resource allocation to **max. task-throughput**.

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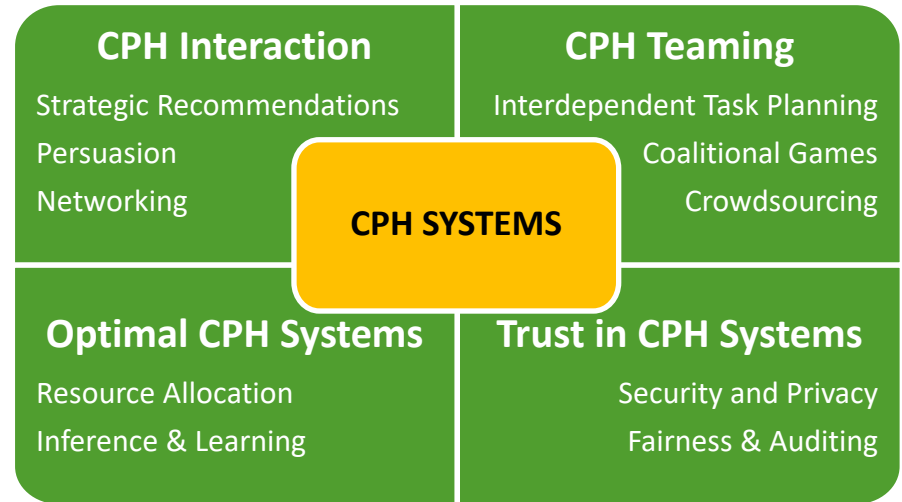
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BROADER VISION



ACTIVE GRANTS

