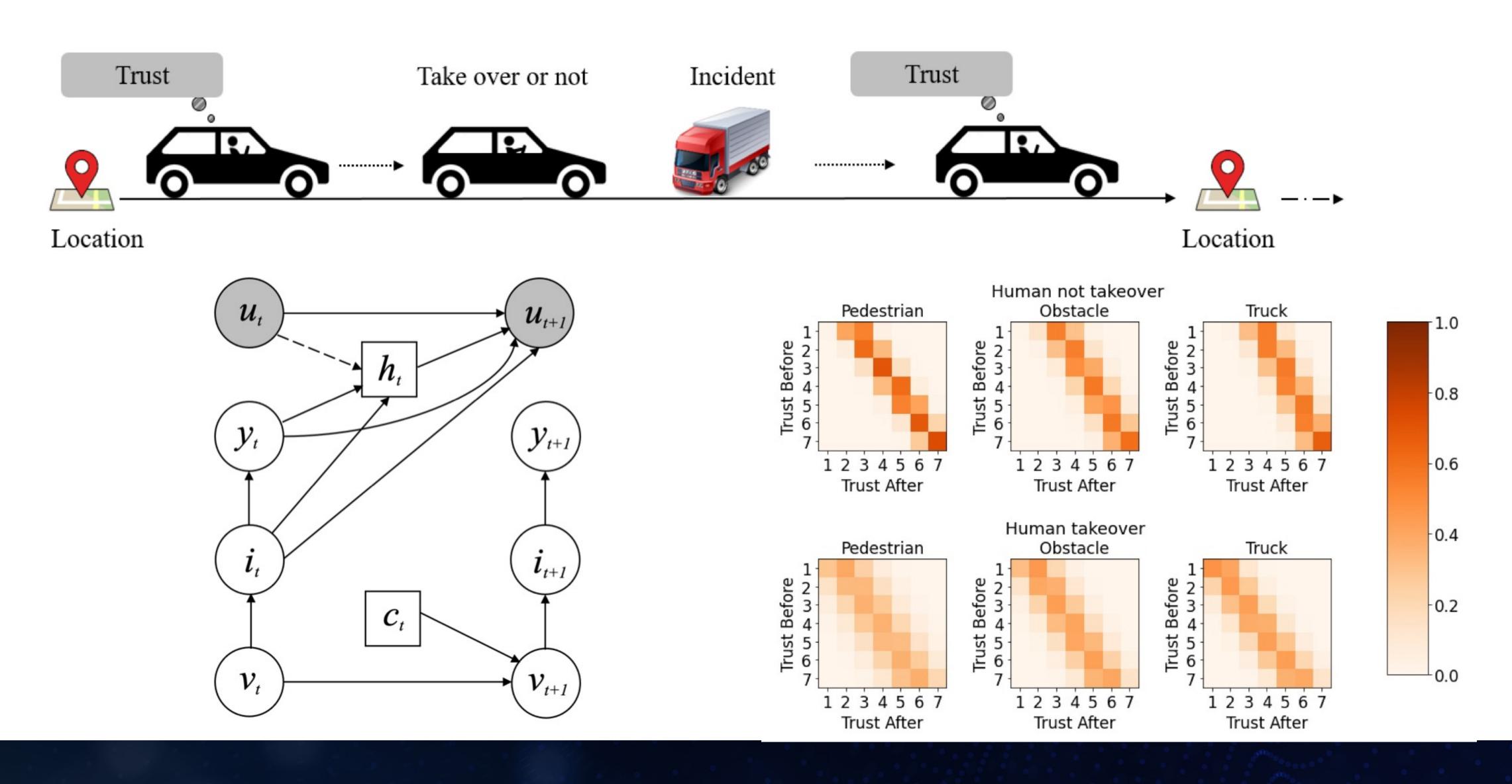
Lu Feng, University of Virginia

Challenge:

- How do we measure and quantify trust model its evolution?
- How do we explain trust-based decision autonomous system that establishes h

Solution:

- Trust-based route planning for automa
- Contrastive explanations for MDP planning [IROS'2020]
- Personalized explanations via user feedback [IROS'2021 submission]



2021 NSF Cyber-Physical Systems Principal Investigators' Meeting June 2-4, 2021



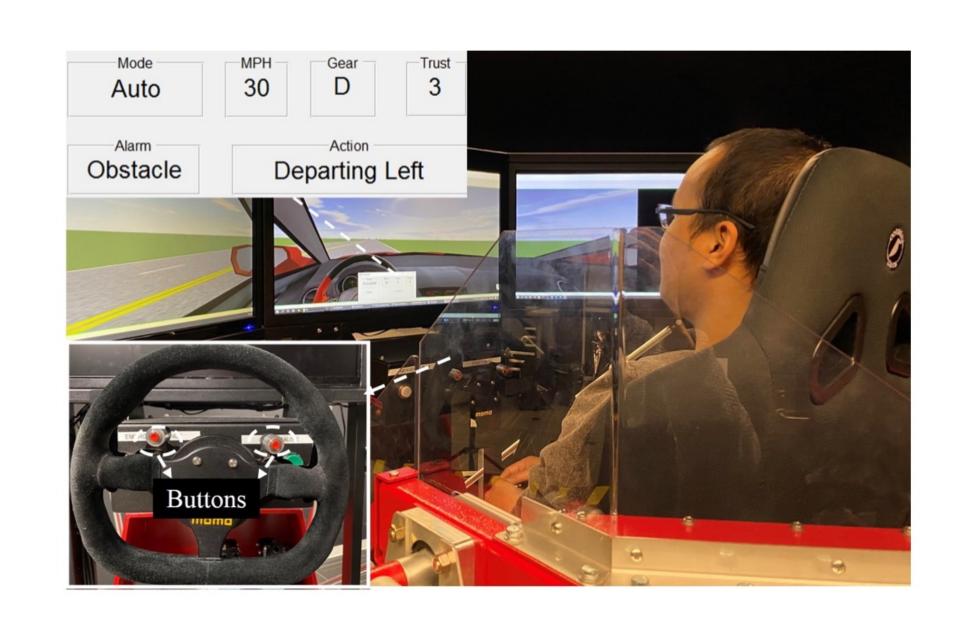
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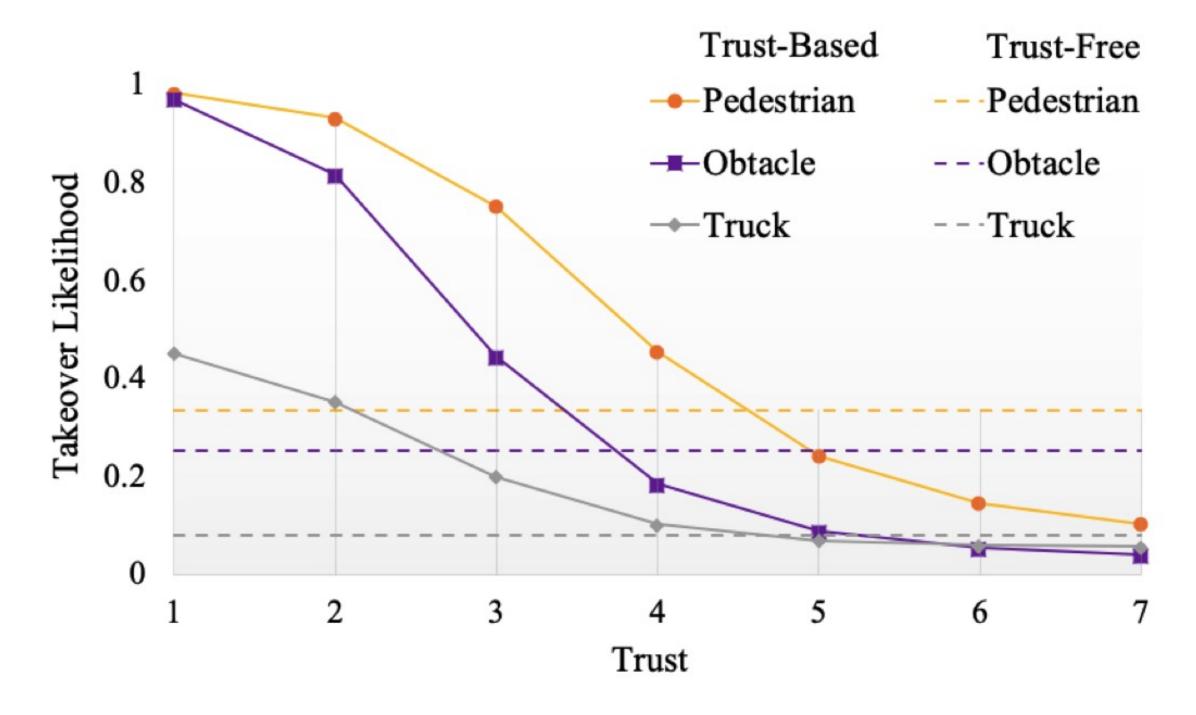
cientific Impact:

Develop methods for formally expressing and easoning about trust in human-CPS interactions

roader Impact:

Potential to increase user trust and acceptance evelop new CPS graduate course





Award ID#: 1755784