CRII: CPS: Internet-Inspired Autonomous EV Charging

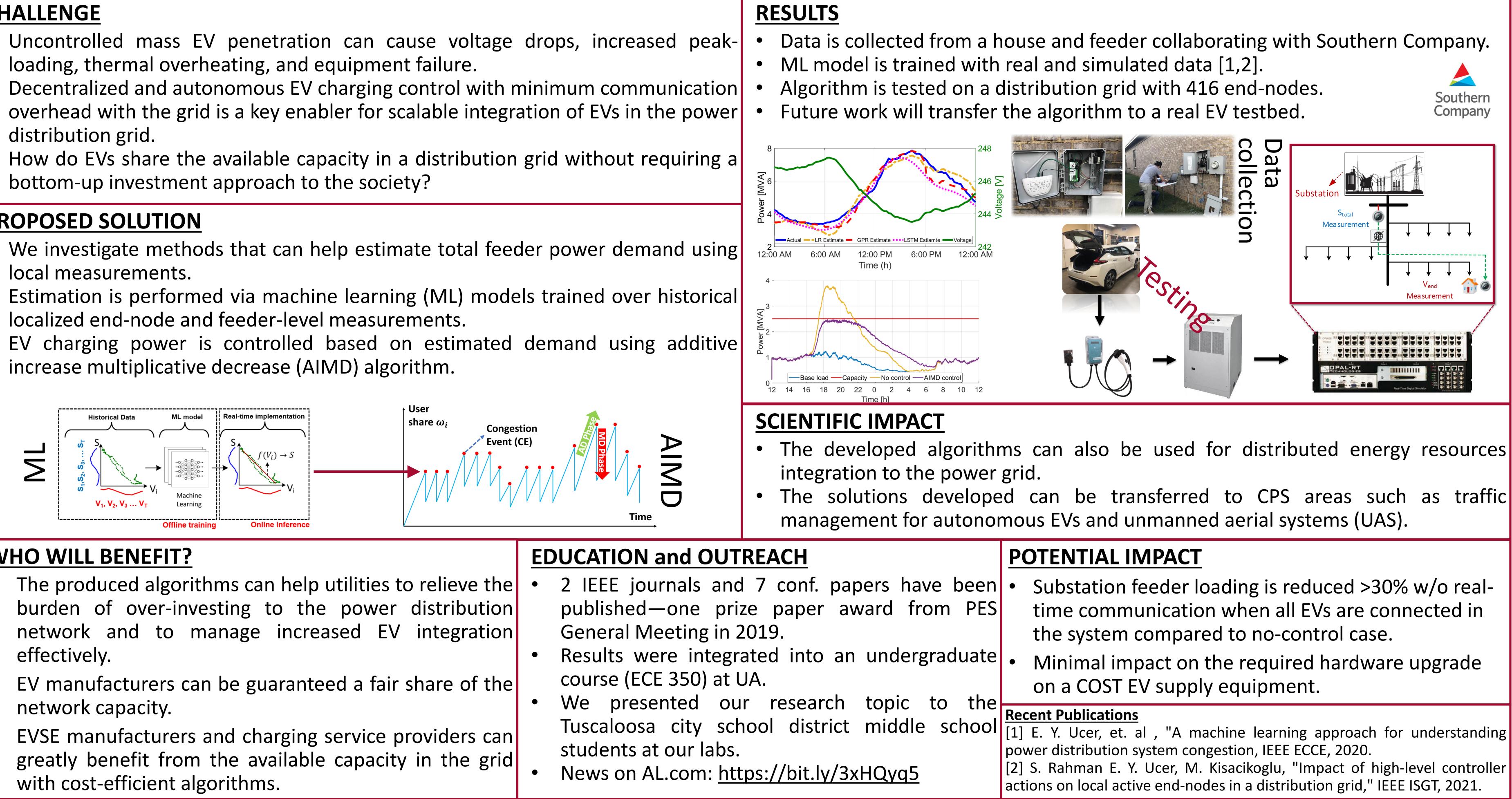
PI: Mithat Kisacikoglu; Ph.D. Students: Emin Ucer and Shahinur Rahman; The University of Alabama https://mck.people.ua.edu/nsf_crii.html

CHALLENGE

- distribution grid.
- bottom-up investment approach to the society?

PROPOSED SOLUTION

- local measurements.
- increase multiplicative decrease (AIMD) algorithm.



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WHO WILL BENEFIT?

- The produced algorithms can help utilities to relie burden of over-investing to the power distri effectively.
- network capacity.
- EVSE manufacturers and charging service provide greatly benefit from the available capacity in tl with cost-efficient algorithms.

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

	EDUCATION and OUTREACH	POTENTIAL IMPACT
lieve the ribution egration re of the	 published—one prize paper award from PES General Meeting in 2019. Results were integrated into an undergraduate 	time communication when all EVs are connect the system compared to no-control case.
ders can the grid	Iuscaloosa city school district middle school students at our labs.	Decent Dublications



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