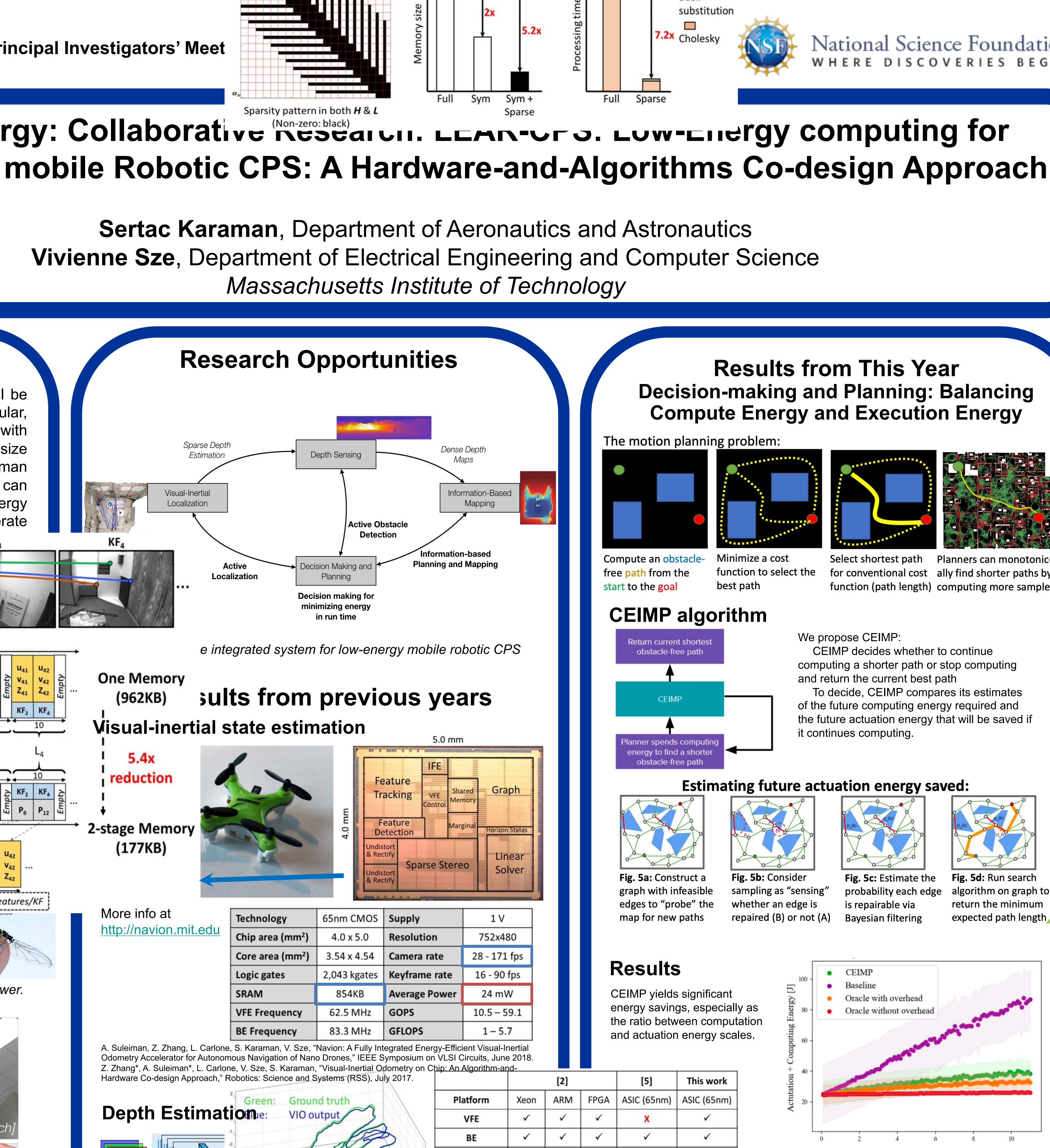


Example low-energy mobile robotic CPS. Each vehicle consumes less than 1 Watt of electrical power for actuation.



<sup>20</sup>Don't think too hard: A longer path that we have now can be better 4Computing is (noisy) sensing: Sampling nodes in a motion planner <sup>2.1</sup>can be modeled as a noisy sensor that measures whether a path is

S. Sudhakar, S. Karaman, V. Sze, "Balancing Actuation and Computing Energy in Motion Planning," IEEE International Conference on Robotics and Automation (ICRA), May 2020