





[1] Lamberti, Lorenzo et al. "Tiny-PULP-Dronets: Squeezing Neural Networks for Faster and Lighter Inference on Multi-Tasking Autonomous Nano-Drones." 2022 IEEE 4th International Conference on Artificial Intelligence Circuits and Systems (AICAS) (2022) [2] Duisterhof, Bardienus Pieter et al. "Sniffy Bug: A Fully Autonomous Swarm of Gas-Seeking Nano Quadcopters in Cluttered Environments." 2021 IEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (2021)

Multi-sensory Anti-collision Design for Autonomous Nano-swarm Exploration

Mahyar Pourjabar¹, Manuele Rusci², Luca Bompani¹, Lorenzo Lamberti¹, Vlad Niculescu³, Daniele Palossi³⁴, Luca Benini¹³ ¹University of Bologna, Italy ²KU Leuven, Belgium ³ETH Zurich ⁴IDSIA, Switzerland Contact author: mahyar.pourjabar2@unibo.it



ICECS'23