I-SPOT
Intelligent Ultra Low-Power Signal Processing for Automotive

Why do we need acoustic perception?
complementing imager/LIDAR/RADAR for ADAS

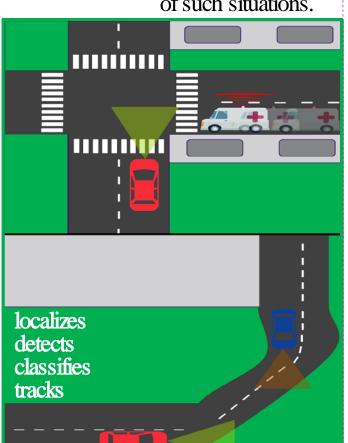# What are our innovation?
DSP-ML-HW CoDesign

MARIE CURIE ACTIONS

Project website

the future

current situation

Video sensors have drawback to percept information beyond line of sight.

Acoustic sensors can give insight of such situations.

localizes
detects
classifies
tracks

Algorithm

developing algorithm that combines advanced signal processing with machine learning to extract information from acoustic sensors

Circuit Design

devising hardware that enables smart inference on the edge by optimizing and co-designing the algorithm towards low-power