**VIZTA sounds for Vision, Identification, with Z-sensing Technologies and key Applications.**

## Results

### Project Information

**VIZTA**

Grant agreement ID: 826600

Funded under

H2020-EU.2.1.1.7.

H2020-EU.2.1.1.

**Overall budget**

€ 87 947 734,07

**EU contribution**

€ 21 342 431,13

**Coordinated by**

STMICROELECTRONICS

CROLLES 2 SAS

France

### Start date

1 May 2019

### End date

31 October 2022

## Deliverables

**Websites, patent fillings, videos etc. (1)**

- Annotated benchmarking data base for in-cabin scenarios

## Publications
An Adversarial Training based Framework for Depth Domain Adaptation

**Author(s):** Jigyasa Singh Katrolia, Lars Krämer, Jason Rambach, Bruno Walter Mirbach, Didier Stricker

**Published in:** [ACCEPTED] VISAPP Conference on Computer Vision Theory and Applications, 2021

"""4.6μm Low Power Indirect Time-of-Flight Pixel Achieving 88.5% Demodulation Contrast at 200MHz for 0.54MPix Depth Camera"", STMicroelectronics

**Author(s):** Cédric Tubert, Pascal Mellot, Yann Desprez, Celine Mas, Arnaud Authié, Laurent Simony, Grégory Bochet, Stephane Drouard, Jeremie Teyssier, Damien Miclo, Jean-Raphael Bezel, Thibault Augey, Franck Hingant, Thomas Bouchet, Blandine Roig, Aurélien Mazard, Raoul Vergara, Gabriel Mugny STMicroelectronics Grenoble, FRANCE Email: cedric.tubert@st.com Arnaud Tournier, Frédéric Lalanne, François

**Published in:** ESSDERC/ESSCIRC 2021 ACCEPTED - Paper 9092, 2021

SVIRO: Synthetic Vehicle Interior Rear Seat Occupancy Dataset and Benchmark

**Author(s):** Steve Dias Da Cruz, Oliver Wasenmuller, Hans-Peter Beise, Thomas Stifter, Didier Stricker

**Published in:** 2020 IEEE Winter Conference on Applications of Computer Vision (WACV), 2020, Page(s) 962-971

**DOI:** 10.1109/wacv45572.2020.9093315

Peer reviewed articles (2)

An Overview of Lidar Imaging Systems for Autonomous Vehicles

**Author(s):** S.Royo, M.Ballesta

**Published in:** MDPI, 2019, Page(s) 1-37, ISSN 2076-3417

An Overview of Lidar Imaging Systems for Autonomous Vehicles

**Author(s):** Santiago Royo, Maria Ballesta-Garcia

**Published in:** Applied Sciences, Issue 9/19, 2019, Page(s) 4093, ISSN 2076-3417

**DOI:** 10.3390/app9194093