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

Results

Project Information

VIZTA
Grant agreement ID: 826600

DOI
10.3030/826600

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H2020-EU.2.1.1.
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EU contribution
€ 21 144 567,80

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
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
Publisher: VISAPP

"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 Bezal, 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, Français"
Published in: ESSDERC/ESSCIRC 2021 ACCEPTED - Paper 9092, 2021
Publisher: ESSDERC/ESSCIRC

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, ISBN 978-1-7281-6553-0
Publisher: IEEE
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
Publisher: MDPI

An Overview of Lidar Imaging Systems for Autonomous Vehicles

Author(s): Santiago Royo, Maria Ballesta-Garcia
Published in: Applied Sciences, 9/19, 2019, Page(s) 4093, ISSN 2076-3417