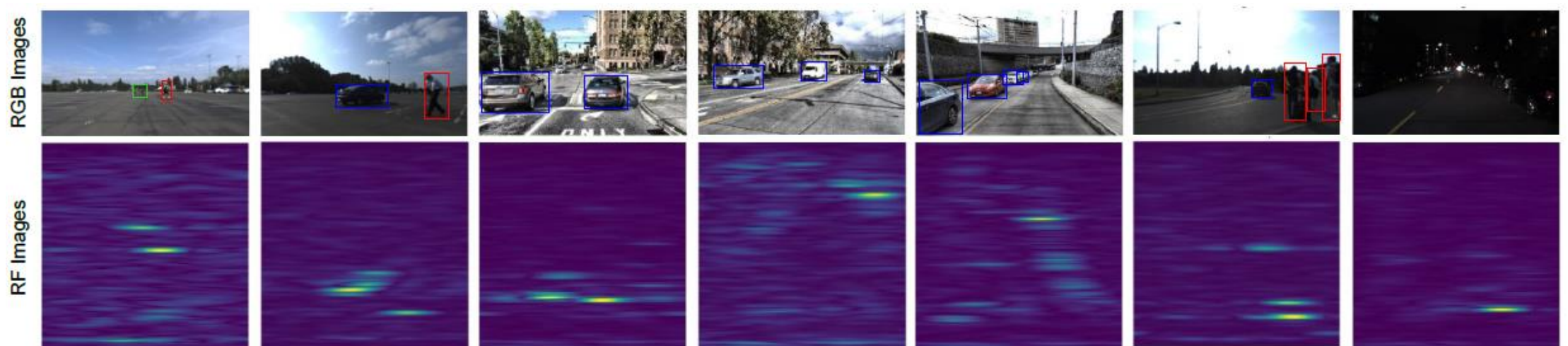


ROD2021 Challenge @ ICMR 2021

Radar Object Detection on Radio Frequency Images for Autonomous Driving Applications

Introduction

Radar is a robust and cost-efficient sensor for autonomous or assisted driving purposes. However, unlike well-explored camera and LiDAR, radar is usually underestimated in the machine learning community due to its uncommon data format and processing techniques. In this **Radar Object Detection Challenge (ROD2021)**, we aim to discuss the radar data in radio frequency (RF) format and accomplish an object detection task based on our ROD2021 dataset. The ROD2021 Challenge will be held at **ACM ICMR 2021**, Taipei, Taiwan.



Important Dates

- | | |
|----------------------------|--------------------|
| • Registration start date: | January 15th, 2021 |
| • Dataset available date: | January 18th, 2021 |
| • First-phase start date: | January 18th, 2021 |
| • First-phase deadline: | March 12th, 2021 |
| • Second-phase start date: | March 12th, 2021 |
| • Second-phase deadline: | March 26th, 2021 |
| • Winner announcement: | April 5th, 2021 |

Challenge Prizes

- | | |
|----------------|--------|
| • First Place | \$2000 |
| • Second Place | \$1000 |
| • Third Place | \$500 |

Organizers

Yizhou Wang (University of Washington)
 Jenq-Neng Hwang (University of Washington)
 Hui Liu (University of Washington, Silkwave)
 Gaoang Wang (Zhejiang University)
 Kwang-Ju Kim (ETRI)



SILKWAVE
ETRI

Challenge Website



Registration & Leaderboard

(host by CodaLab)



Contact Email: ywang26@uw.edu