



# Junho Koh

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## Overview

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### Research interest areas:

- End-to-End Autonomous Driving
- 3D Occupancy Prediction
- Vectorized HD Map Construction
- Trajectory Prediction & Planning
- Camera-based 3D Perception

### Recurrent Temporal Fusion in Bird's Eye View Representations for Multi-Camera 3D Perception 📄

*IEEE Transactions on Intelligent Transportation Systems (T-ITS), 2025.*

Junho Koh\*, Youngwoo Lee\*, **Jungho Kim**, Dongyoung Lee, and Jun Won Choi

### ProtoOcc: Accurate, Efficient 3D Occupancy Prediction Using Dual Branch Encoder-Prototype Query Decoder 📄

*AAAI Conference on Artificial Intelligence (AAAI), 2025.*

**Jungho Kim**\*, Changwon Kang\*, Dongyoung Lee\*, Sehwan Choi, Jun Won Choi

### Mask2Map: Vectorized HD Map Construction Using Bird's Eye View Segmentation Masks 📄

*European Conference on Computer Vision (ECCV Oral), 2024.*

Sehwan Choi\*, **Jungho Kim**\*, Hongjae Shin, Jun Won Choi

### SiT dataset: Socially Interactive Pedestrian Trajectory Dataset for Social Navigation Robots 📄

*Neural Information Processing Systems (NeurIPS), 2023.*

Jong Wook Bae\*, **Jungho Kim**\*, Junyong Yun\*, Changwon Kang\*, Jeongseon Choi, Chanhyeok Kim, Junho Lee, Jungwook Choi, Jun Won Choi

### R-Pred: Two-Stage Motion Prediction Via Tube-Query Attention-Based Trajectory Refinement 📄

*IEEE/CVF International Conference on Computer Vision (ICCV), 2023.*

Sehwan Choi, **Jungho Kim**, Junyong Yun, Jun Won Choi

### CarPLAN: Context-Adaptive and Robust Planning with Dynamic Scene Awareness for Autonomous Driving 📄

*Submitted, 2025*

Junyong Yun\*, **Jungho Kim**\*, ByungHyun Lee, Dongyoung Lee, Sehwan Choi, and Jun Won Choi