Eclipse Hackathon - RSD

Challenge : Virtual SDV Lab Challenge
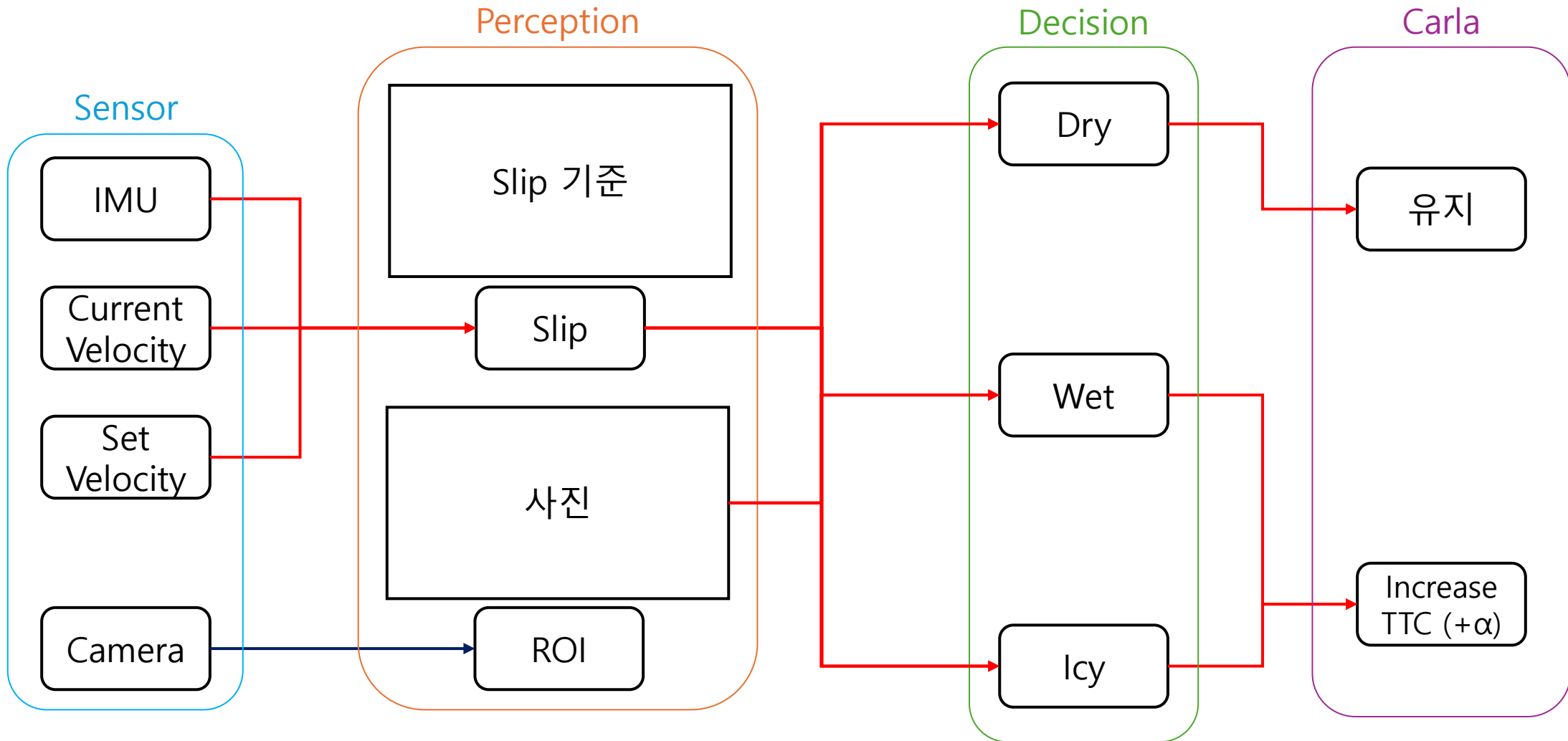
RSD - Ready Set Drive

- Gihoon Kim
- Gijin Beak
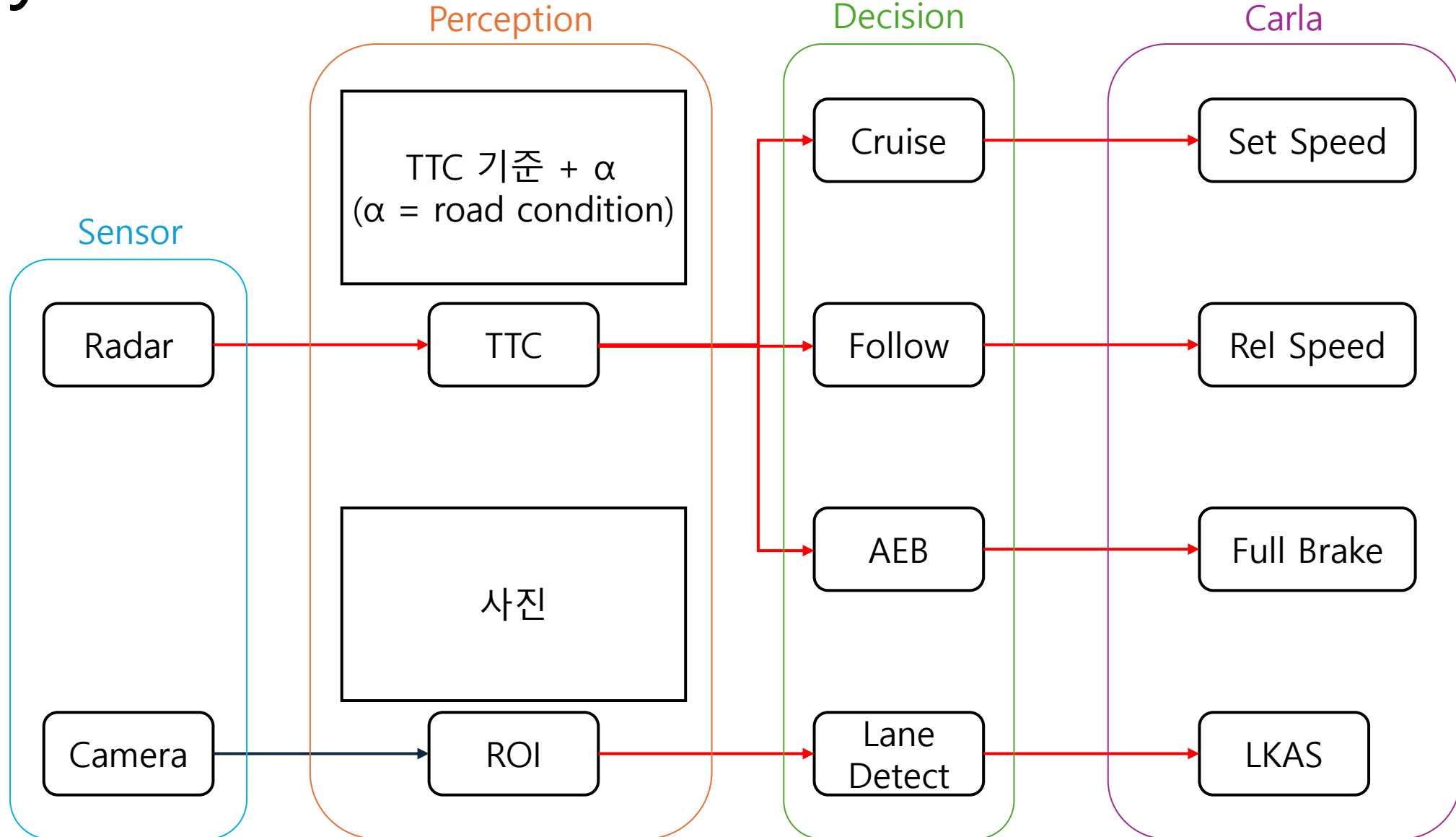- Changsuk Oh
- Younggyo Oh
- Siwoo Lee

Concept

Developing ACC, AEB and LKAS implemented with Eclipse Tools

Further, estimate the condition of the road and adapt safety distance and steering on each different condition.
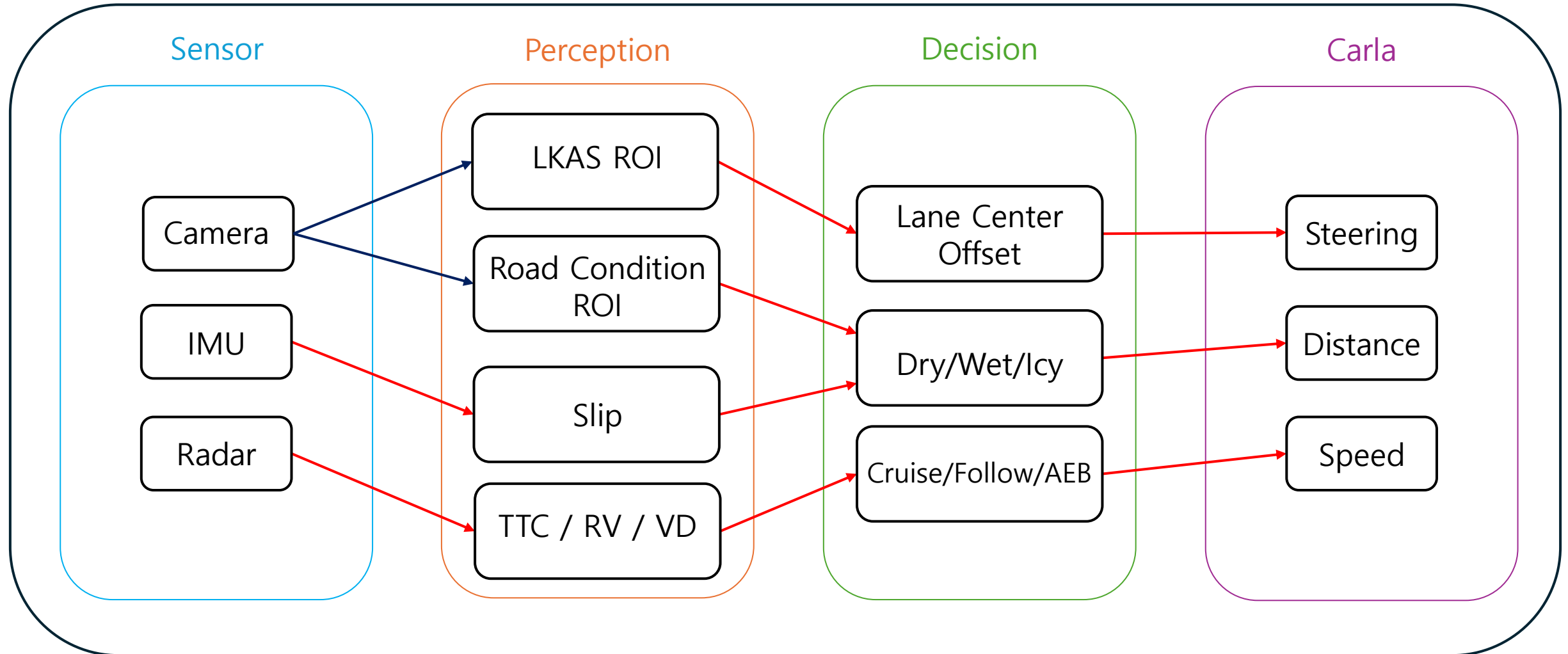
System Architecture – Road Condition

System Architecture - ADAS

System Architecture

ACC + AEB

Cruise	Follow	AEB
영상	영상	영상

LKAS

- 사진

Slip

Dry	Wet	Icy
영상	영상	영상

Carla

- 데이터 비교

Eclipse Tools

Kuksa VSS
- standardized vehicle signal exchange

Zenoh
- efficient data distribution using zero-copy

Ankaios
- orchestration and lifecycle management of modular SDV components

Thank you

- Q&A