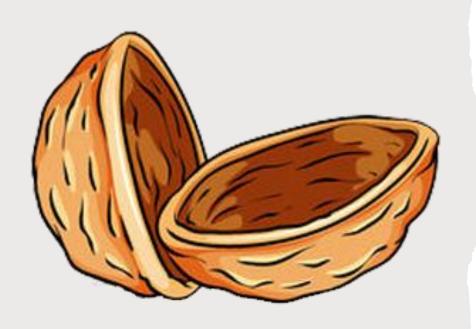
# ECRTS Industrial Challenge 2025

Bruxelles, July 10<sup>th</sup>, 2025

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## In a nutshell

- ✓ Improve collaborations between Academia and Industry
- ✓ Relevant real-time, challenging problems for the Industry
- ✓ Share ideas, experiences, use-cases, solutions

#### Contribute solutions:

- ✓ At any time during the year!
- ✓ With a cutoff date of (approx) mid May to be presented at current ECRTS

#### Resources

Website: <a href="https://www.ecrts.org/industrial-challenge/">https://www.ecrts.org/industrial-challenge/</a>

Mailing List: <a href="https://groups.google.com/g/ecrts-industrial-challenge">https://groups.google.com/g/ecrts-industrial-challenge</a>

GitHub: <a href="https://github.com/ecrtsorg">https://github.com/ecrtsorg</a>

- ✓ Additional information, code, solutions, etc.
- ✓ <a href="https://github.com/ecrtsorg/ecrts-IC-slides">https://github.com/ecrtsorg/ecrts-IC-slides</a>
- ✓ <a href="https://github.com/ecrtsorg/ecrts-IC-solutions">https://github.com/ecrtsorg/ecrts-IC-solutions</a>



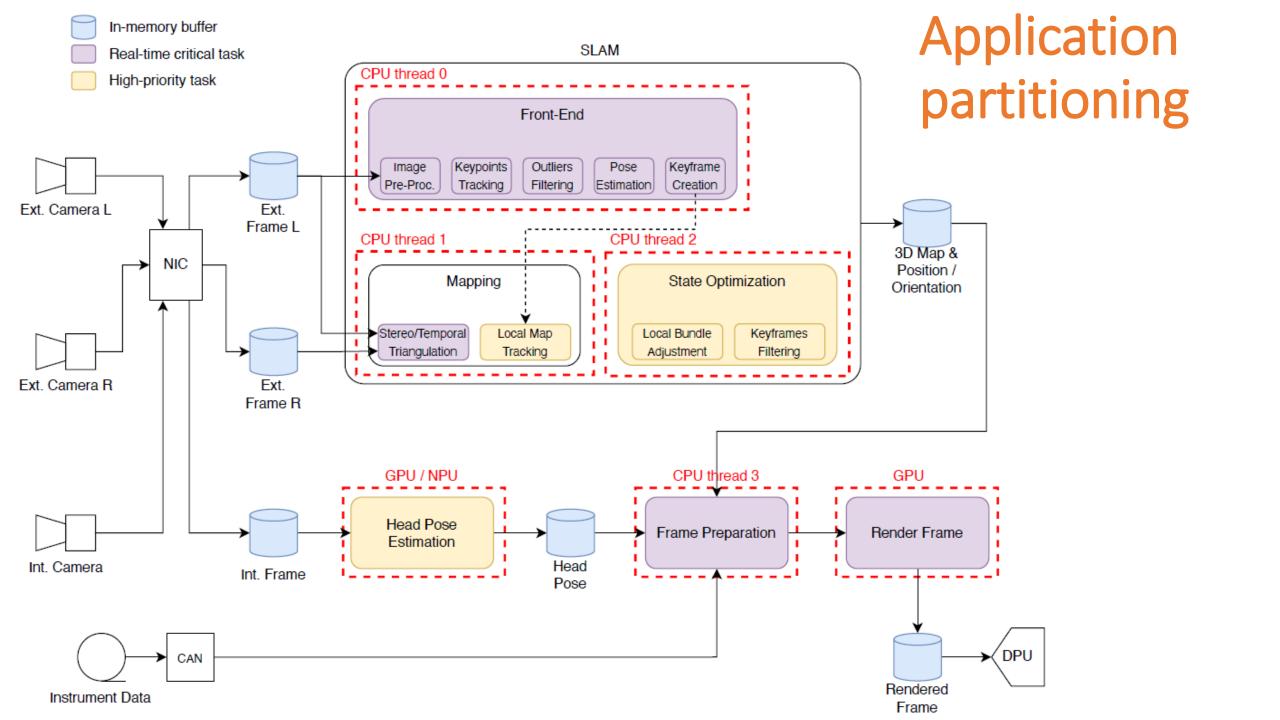
## Current challenge #1

Proposed by ARM

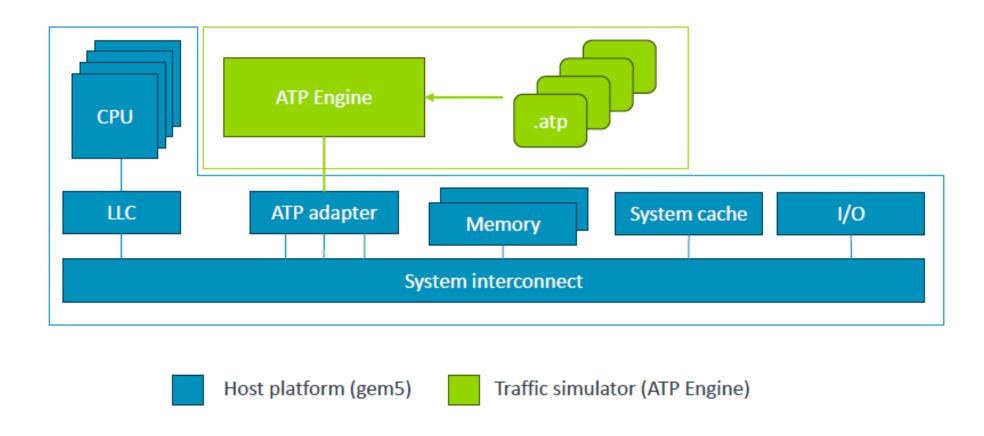
### Arm – Augmented Reality Heads-Up-Display

- ✓ Proposed at ECRTS IC 2022
- ✓ Augmented reality head-up display application (AR HUD) for the automotive market
- ✓ Extends the exterior view of the traffic conditions in front of the vehicle with virtual information (augmentations) for the driver.
- ✓ Process Real-Time data from vehicle sensors





#### Gem5-based VP



See also <a href="https://github.com/ecrtsorg">https://github.com/ecrtsorg</a> (and accompanying slides)