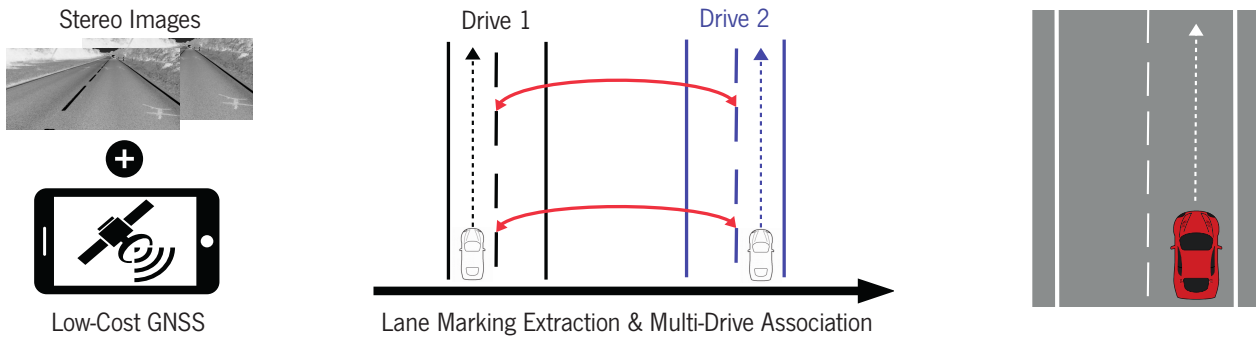
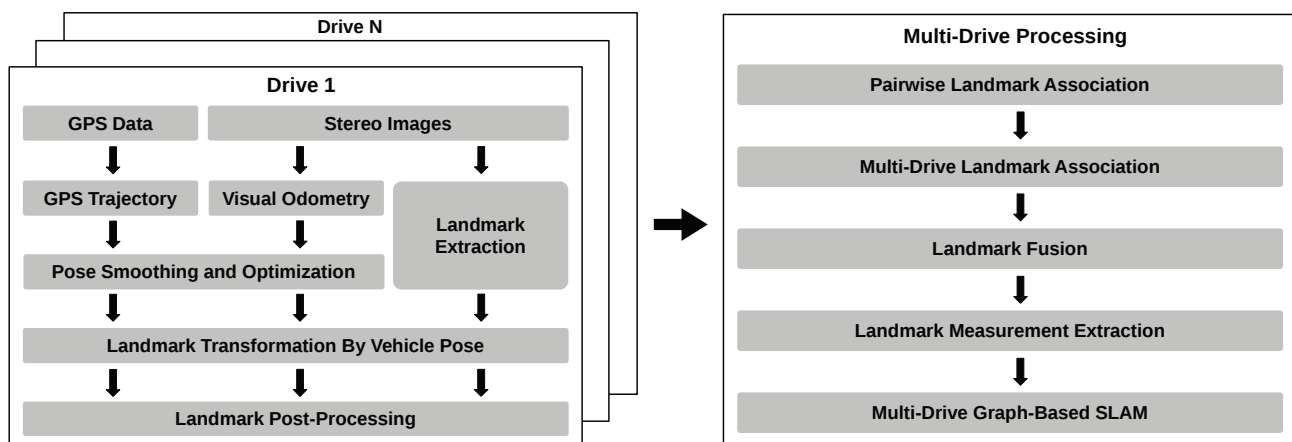


MULTI-DRIVE FEATURE ASSOCIATION FOR AUTOMATED MAP GENERATION USING LOW-COST SENSOR DATA

Markus Schreiber, André-Marcel Hellmund, Christoph Stiller

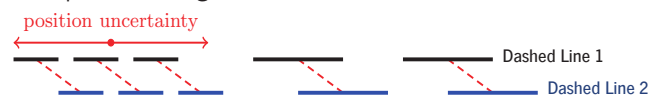


HIGH-LEVEL SYSTEM STRUCTURE

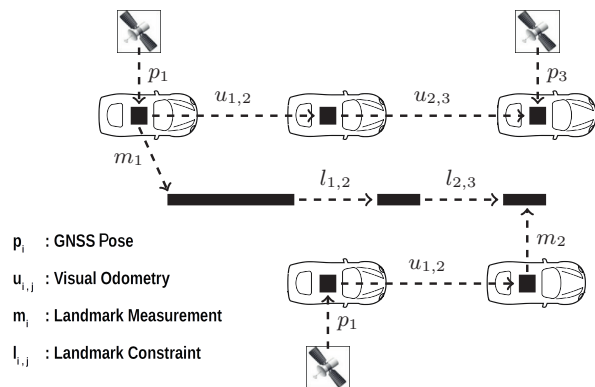


FEATURE ASSOCIATION

- Feature Association using Dashed Lane Markings
- Regularity Patterns (Dashed Stripes)
- Unique and Ambiguous Associations



MULTI-DRIVE GRAPH-BASED OPTIMIZATION



EVALUATION RESULTS

- 3 Drives on Rural Road (1.7 km)
- Comparison with High-Cost GNSS
- Absolute and Relative Accuracies

