



### REAL-TIME DATA HANDLING

- Delay-sensitive IoV network
- Dependability on Batch size



### HIGH PERFORMANCE

- Efficiency, Scalability, Dependability
- Computation and communication cost
- Energy consumption and storage cost
- Complexity



### SECURITY FEATURES

- Confidentiality
- Integrity
- Authentication
- Privacy preservation
- Availability



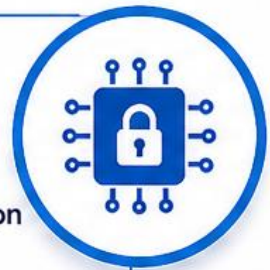
### ATTACKS-RESILIENT

- Active and passive attacks
- Physical attack or hardware security
- Side-channel attack



### HARDWARE IMPLEMENTATION

- Hardware implementation of cryptographic algorithms for resource constraint IoT devices



### OUR GOAL

To design secure, efficient, and scalable solutions for next-generation Internet of Vehicles networks.

