Focus 5: Benchmarking

Application-level Benchmarking with Synthetic Aperture Radar

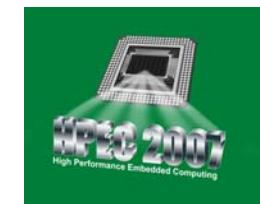Chris Conger, Adam Jacobs, and Alan D. George

High-performance Computing and Simulation (HCS) Research Laboratory

Department of Electrical and Computer Engineering, University of Florida

A Survey of Multi-Core Coarse-Grained Reconfigurable Arrays for Embedded Applications

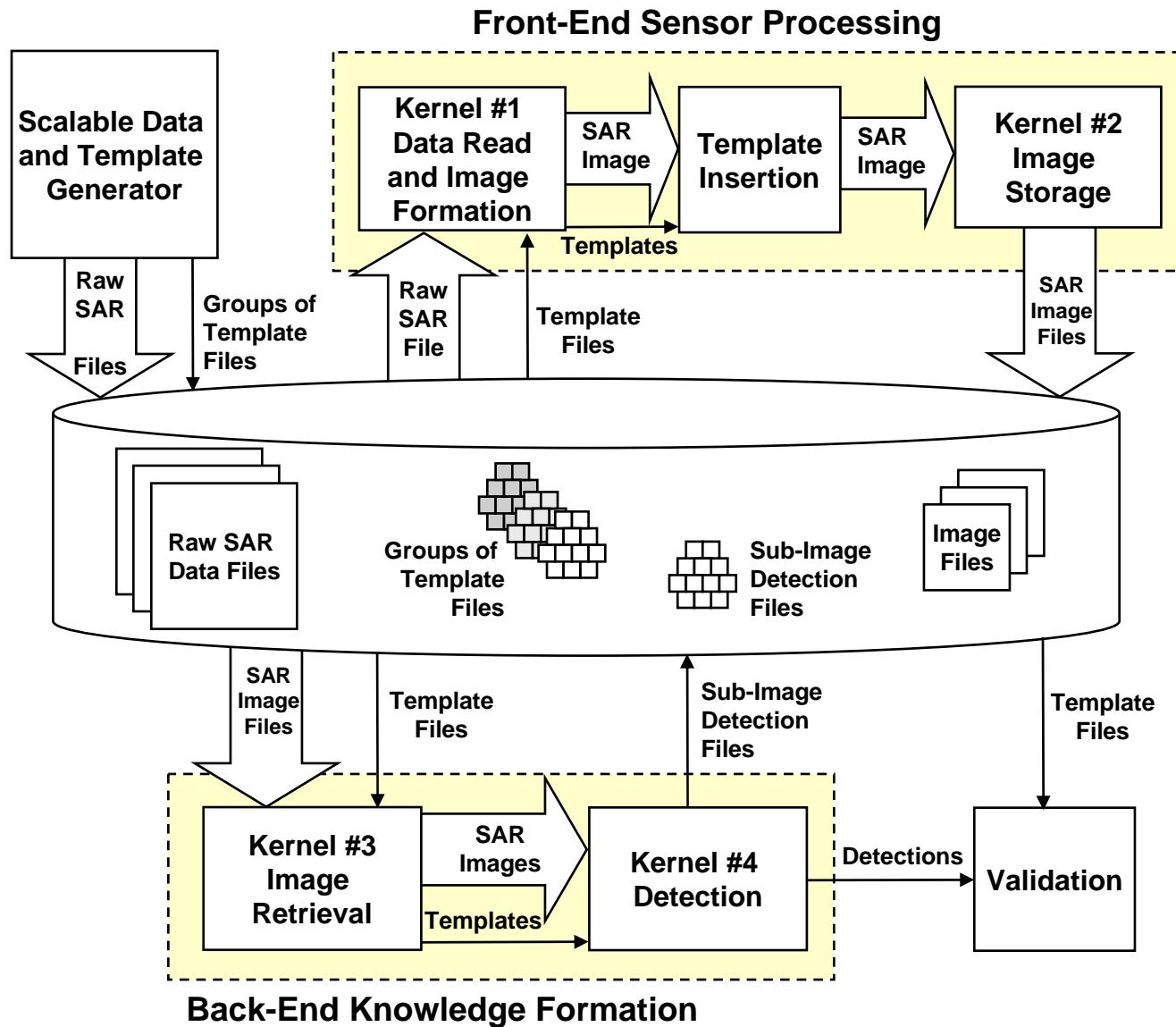Justin L. Tripp, Jan Frigo, and Paul Graham

Los Alamos National Labs

Exploring Multi-core Processors using Realistic Signal- and Image-processing Application Benchmarks.

Ray E. Artz, Brian J. Loe, and Janet M. Pavelich

Lockheed Martin MS2 Tactical Systems (Eagan, MN)

Jules P. Bergmann, CodeSourcery, Inc.

HPEC Challenge SAR Benchmark

Front-End Sensor Processing

Back-End Knowledge Formation

http://www.ll.mit.edu/HPECChallenge/