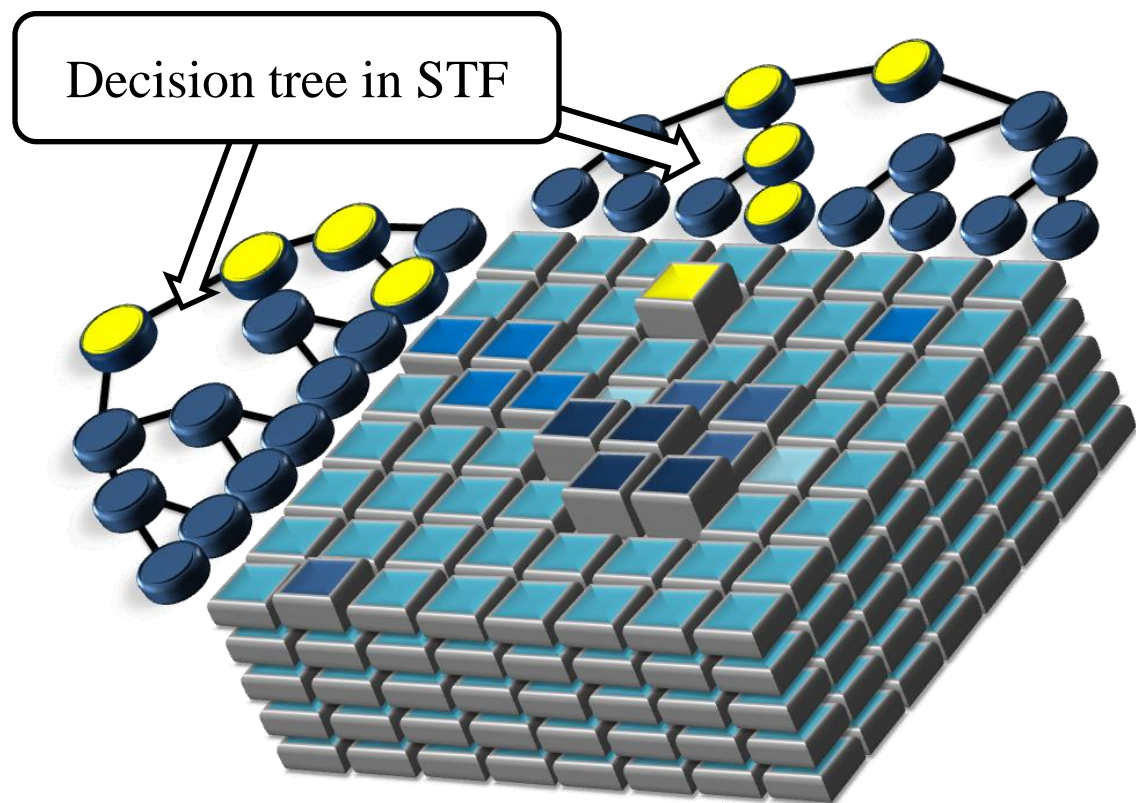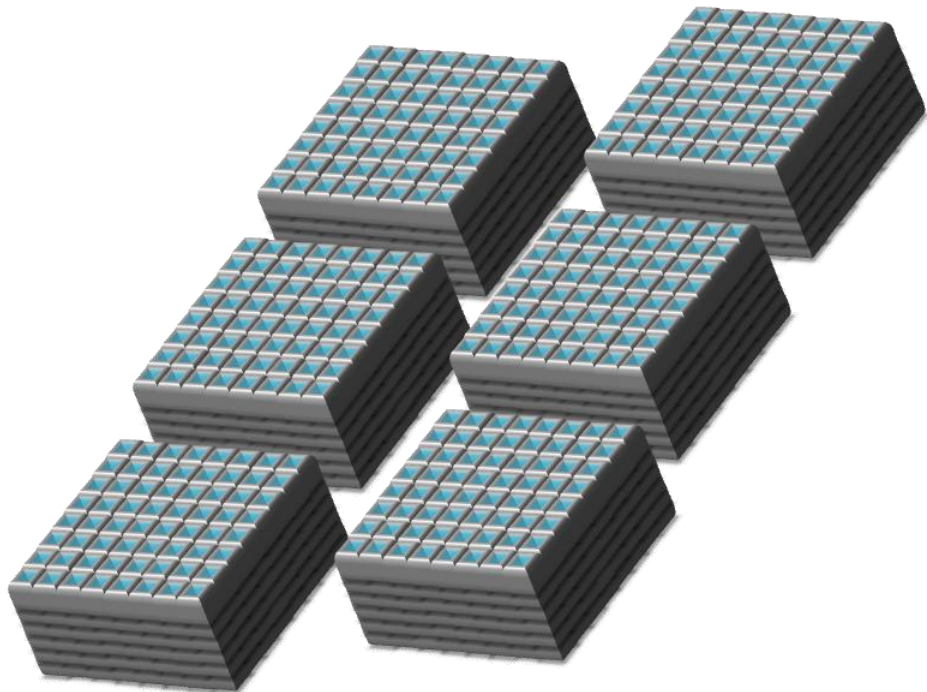# Feature Extraction

Every codeword pairs from a testing instance are encoded using a set of spatiotemporal association rules. Local-appearance and structure of the testing instance is represented by a 3D spatiotemporal relationship histogram.

Decision tree in STF

Feature Representation

Each tree in the spatiotemporal texton forest (STF) produces a 3D histogram.

Feature Matching

K-means forest is constructed using pyramid match kernel to measure the similarity between histograms.