# Activity Generation and Scheduling

Activity is represented by an Execution Graph.

Execution Graph is generated by mapping a set of Semantic Structures to a set of Execution Structures.

Activity is scheduled based on activity ranking which is updated through time.

The Concept of Semantic Space:

Every V-particle is adorned with a semantic signature which is a graph where each node contains a real number and each arc is assigned a weight which is also a real number. Every semantic structure is represented by its semantic signature. The weights of the arcs in its semantic signature represent confidence values.

Activity Space vs Semantic Space