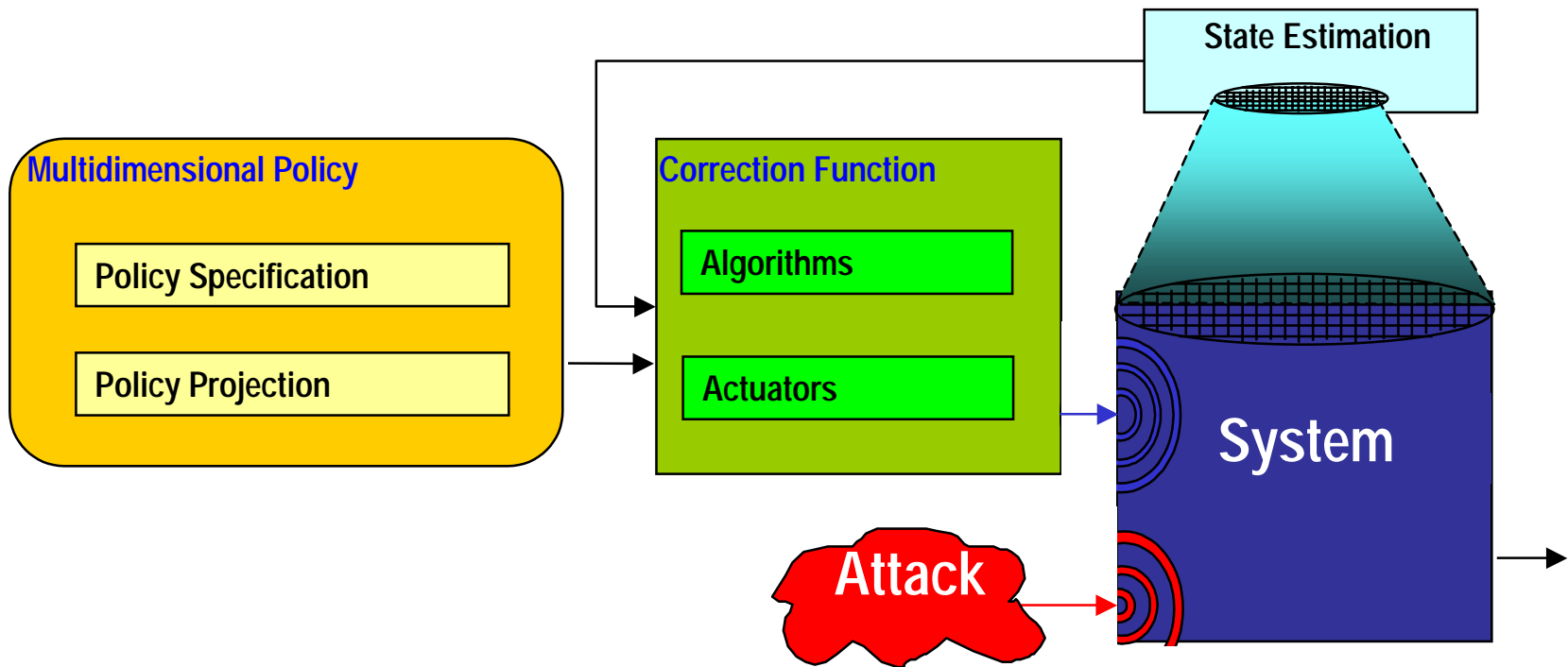


Thoughts on Information Operation Detection as a Nonlinear, Mixed-Signal Identification Problem: A Control Systems View

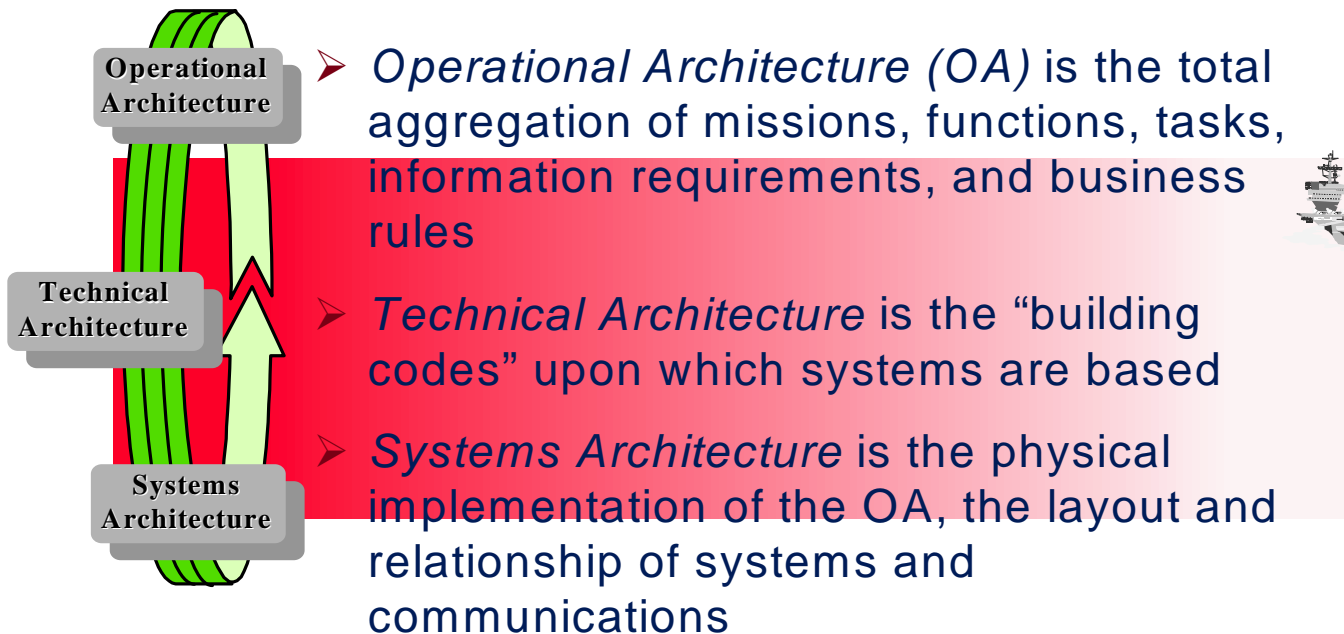
John R. James

John@JRJames.com

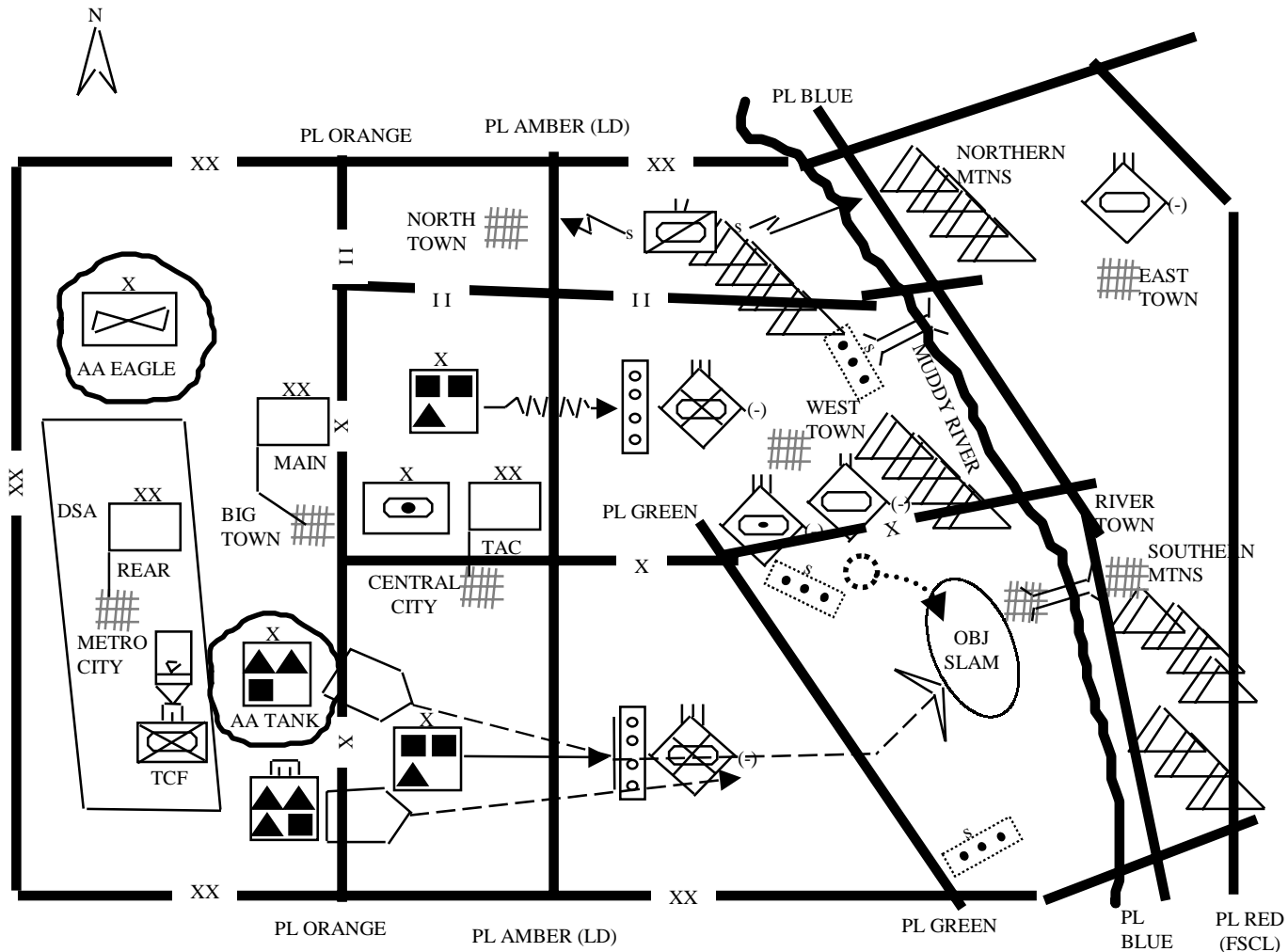
Feedback control concept for Autonomic Information Assurance



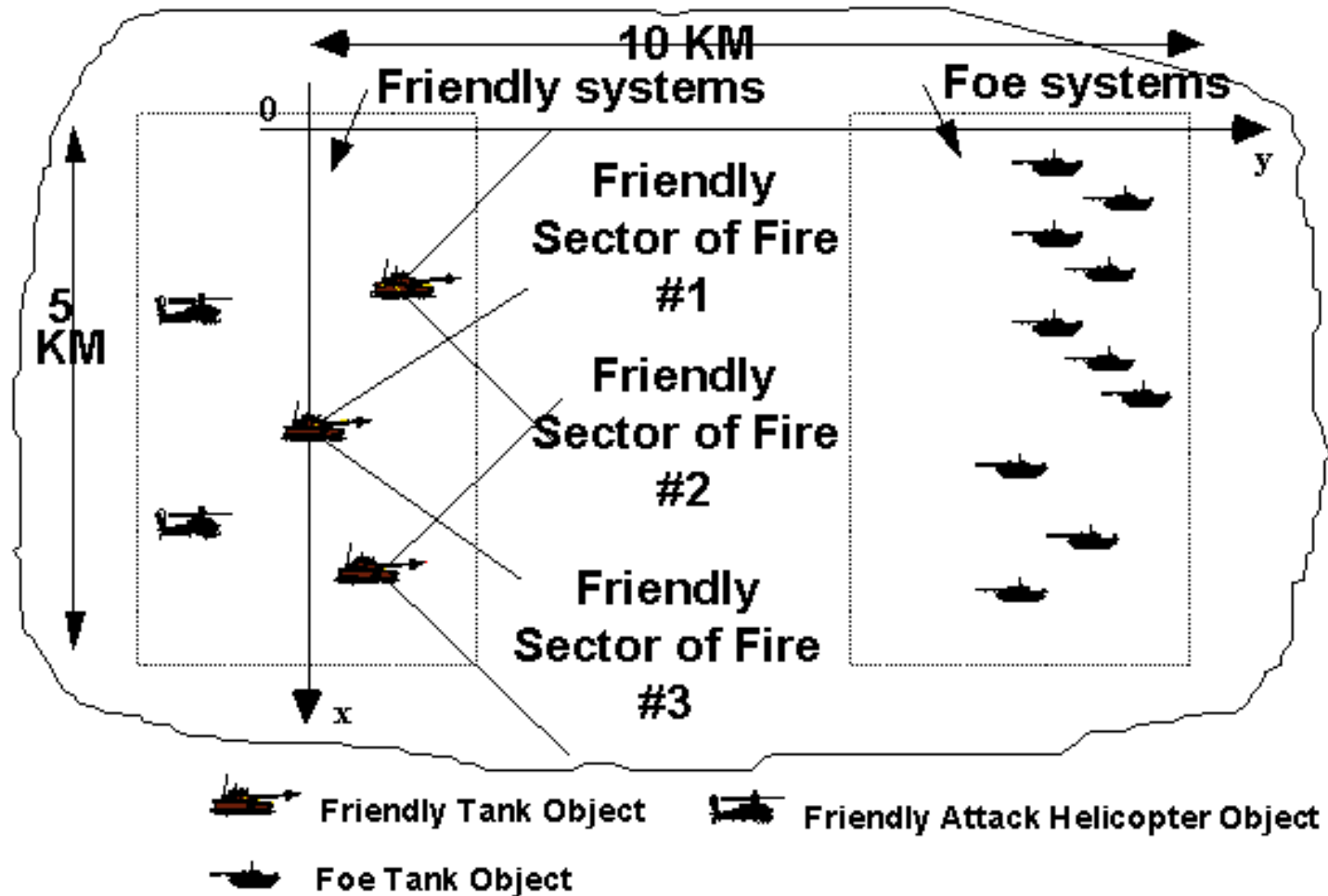
Army Enterprise Architecture



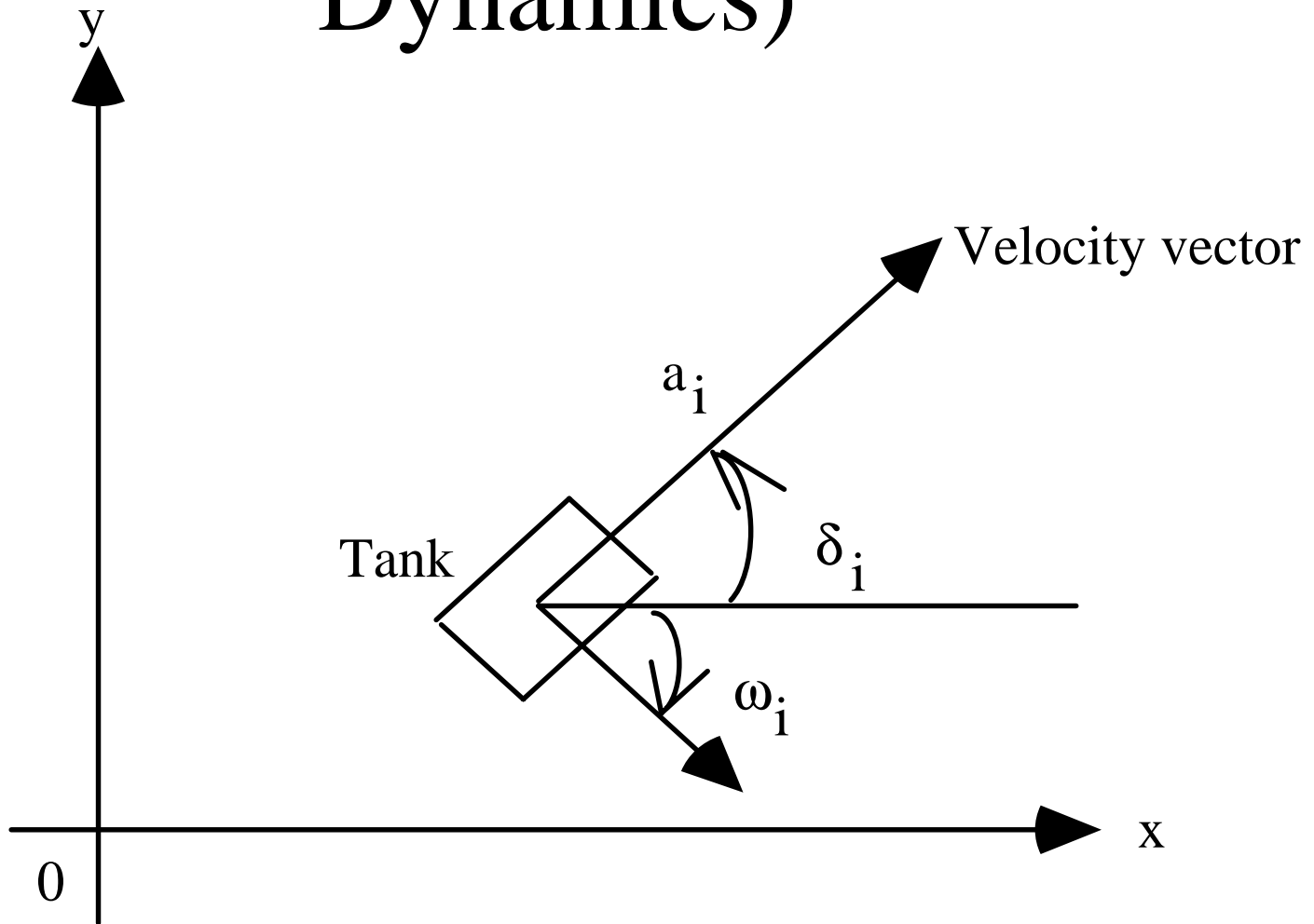
A Course of Action



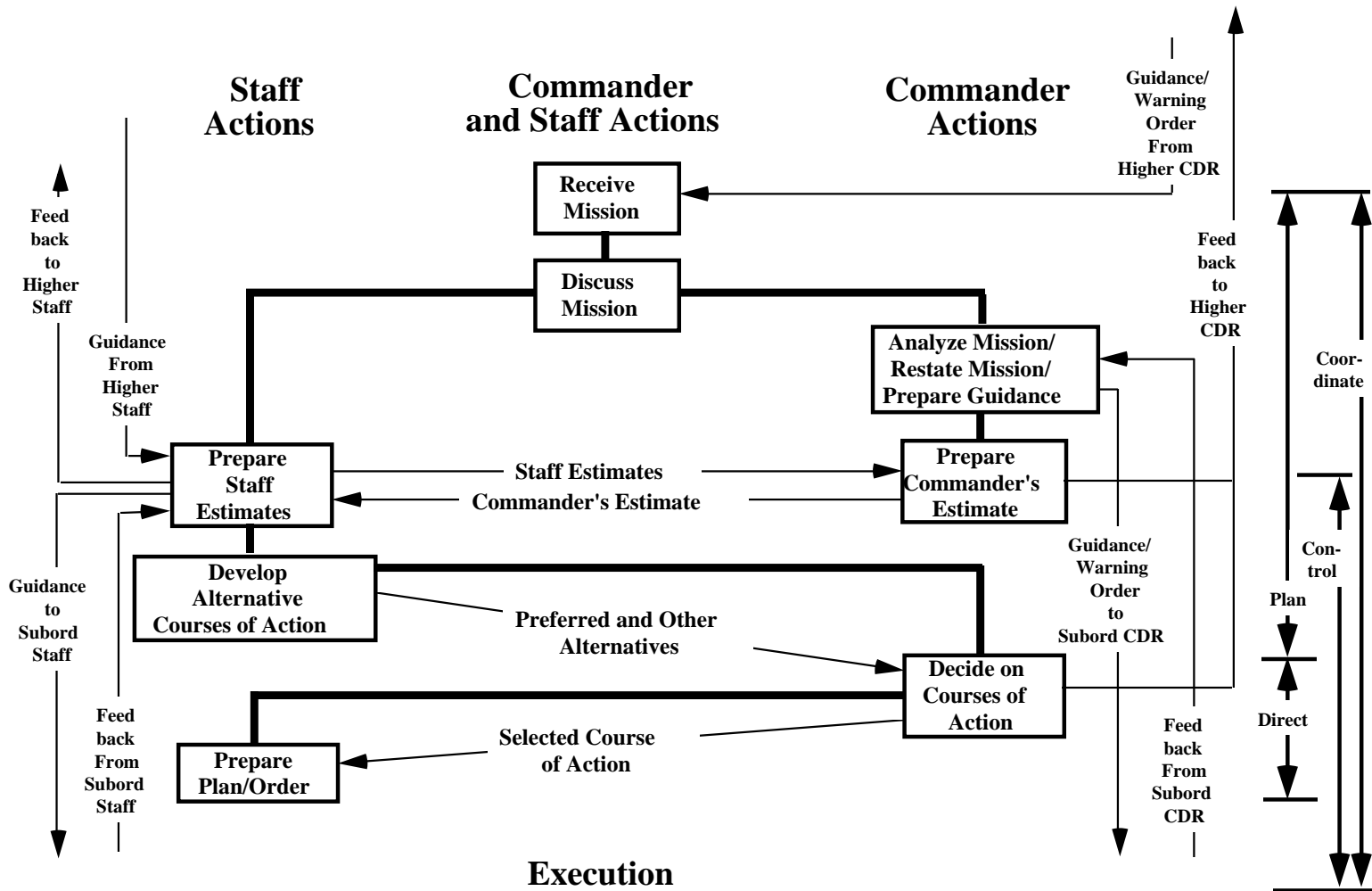
Abstract of a Battlefield Environment



Tank Motion Model (Continuous Dynamics)



Command and Control (Discrete Dynamics)



Information Operations

- Need to “understand” the commander’s concept of the operation
- Need to “understand” the status of executing that concept
- A possible effect of Information Operations is to change the perception of the situation
- This is a “mixed-signal” problem with feedback loops