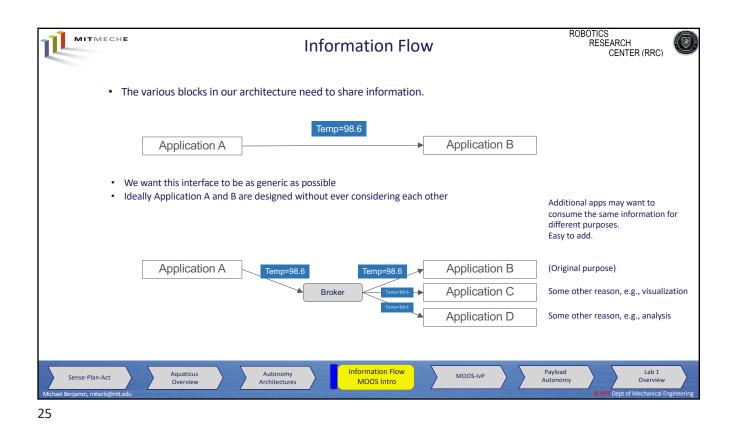
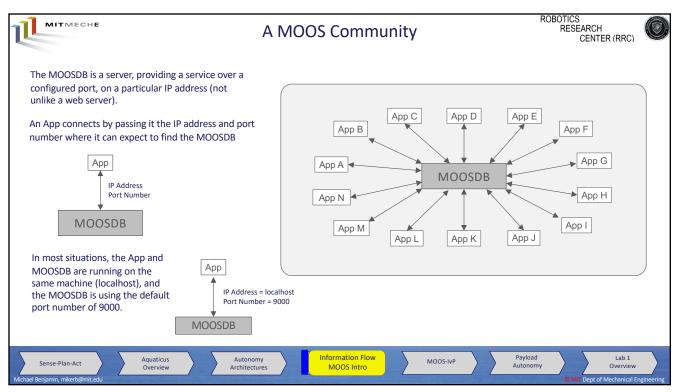
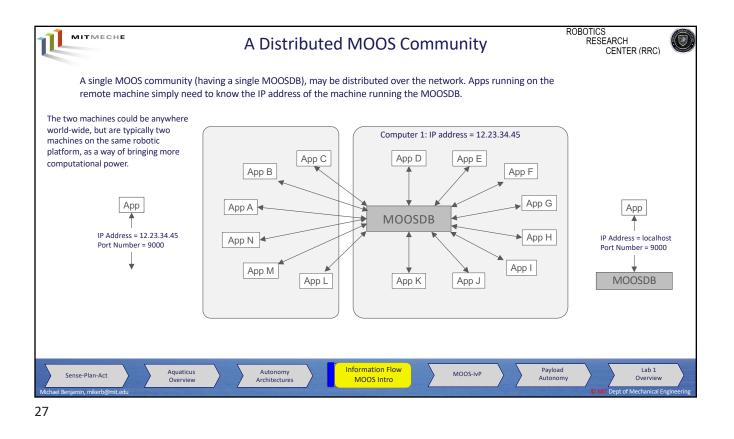


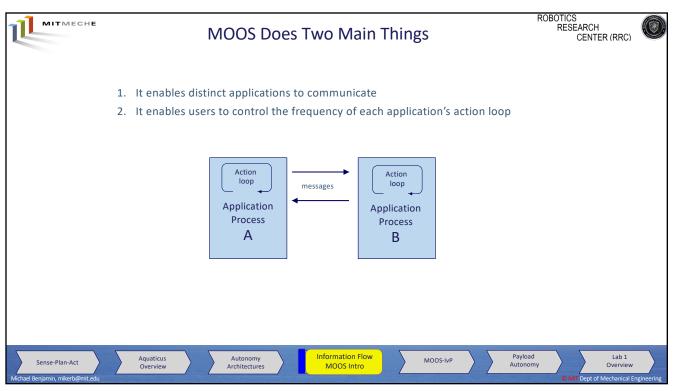
	Information Flow	ROBOTICS RESEARCH CENTER (RRC)
• The	e various blocks in our architecture need to share information.	
	Temp=98.6 Application A	
	e want this interface to be as generic as possible eally Application A and B are designed without ever considering each other	
	Application A Temp=98.6 Temp=98.6 Application B Broker	
Sense-Plan-Act Michael Benjamin, mikerb@mit.edu 23	Aquaticus Overview Architectures MOOS Intro MOOS-IvP	Payload Autonomy © MIT Dept of Mechanical Engineering

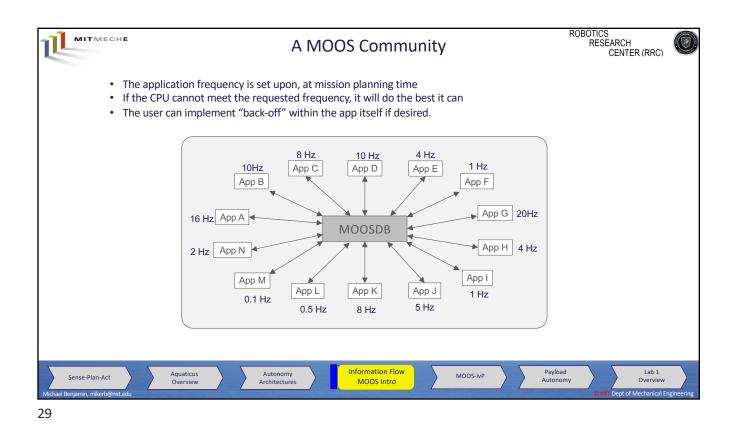
	Information Flow	ROBOTICS RESEARCH CENTER (RRC)
• The	e various blocks in our architecture need to share information.	
	Temp=98.6 Application A	
	e want this interface to be as generic as possible eally Application A and B are designed without ever considering each other	
A better version of App A has been developed. Easy to replace.	Application A Broker Application G Temp=98.6 Temp=98.6	
Sense-Plan-Act Michael Benjamin, mikerb@mit.edu	Aquaticus Overview Architectures MOOS Intro MOOS-IvP	Payload Autonomy I Lab 1 Overview I Dept of Mechanical Engineering

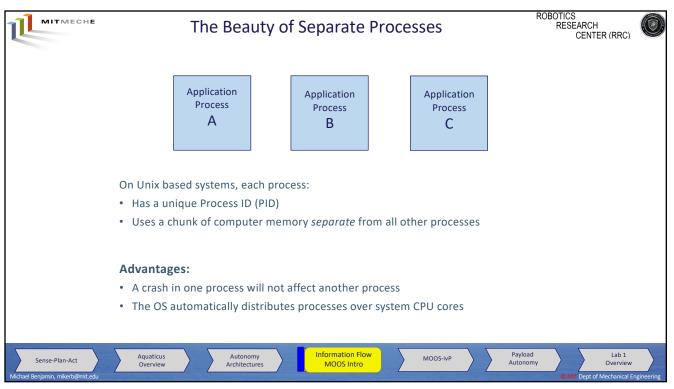


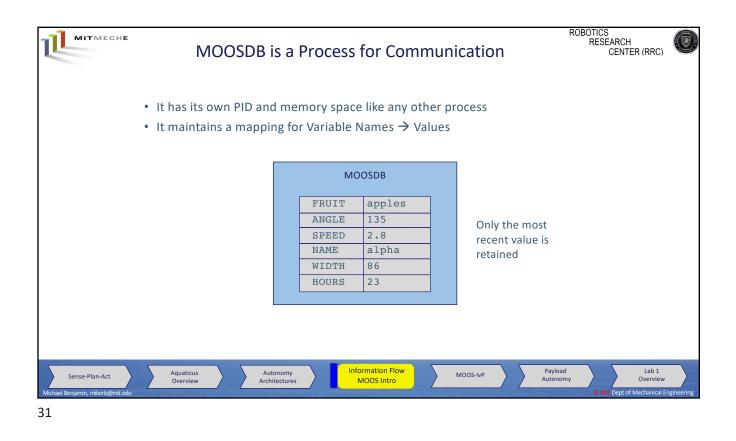


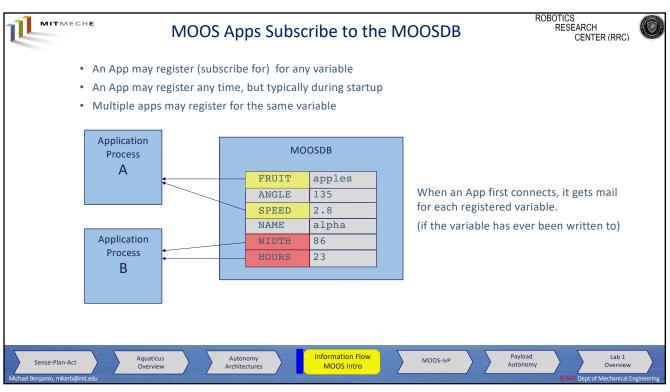


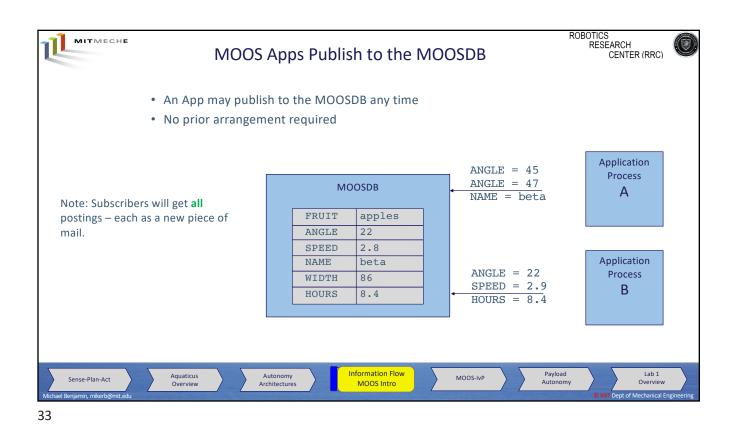


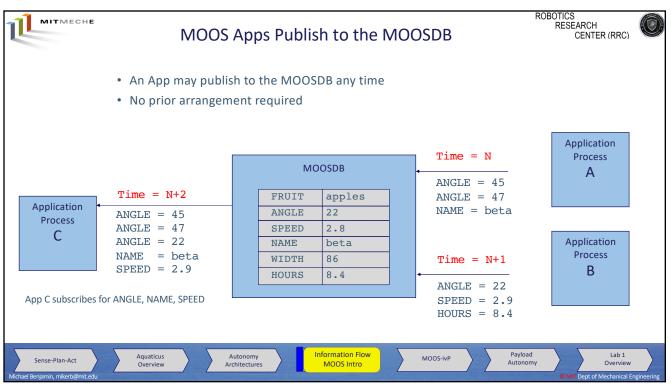


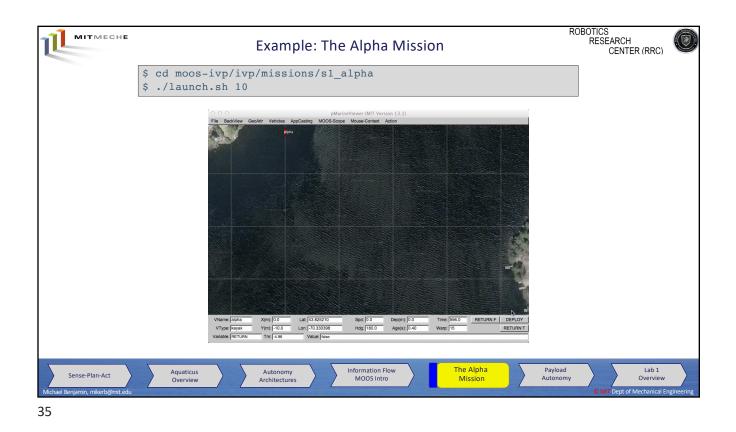


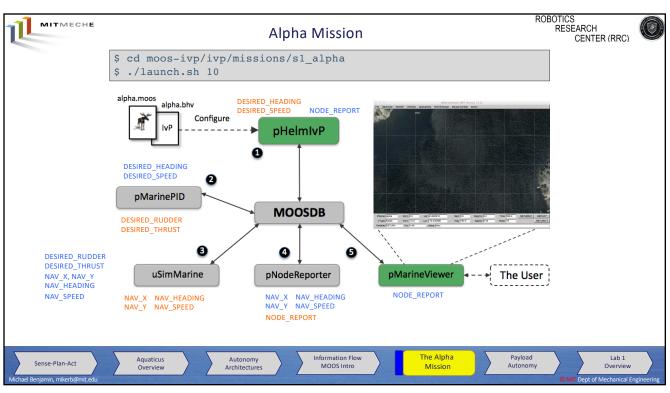


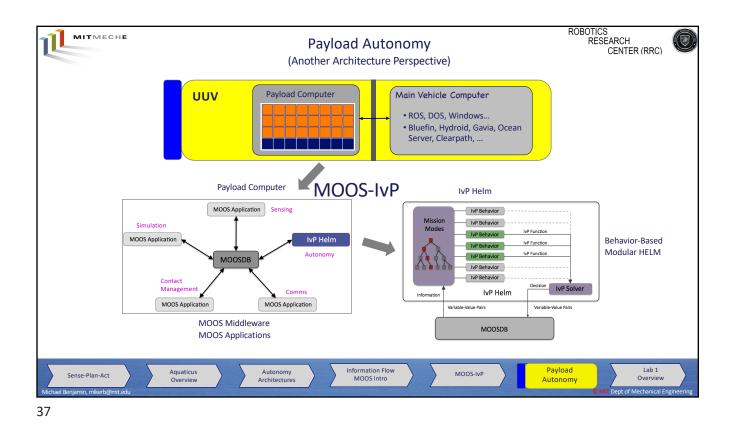


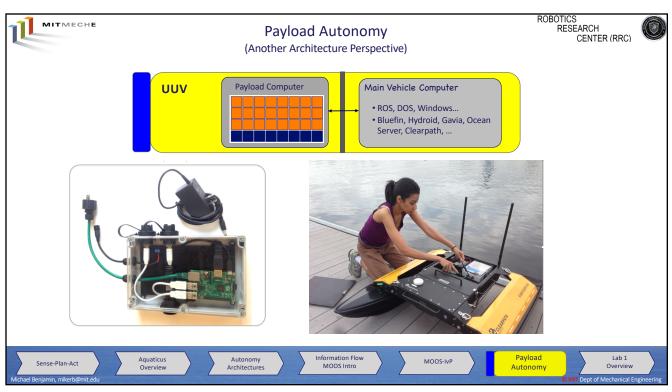


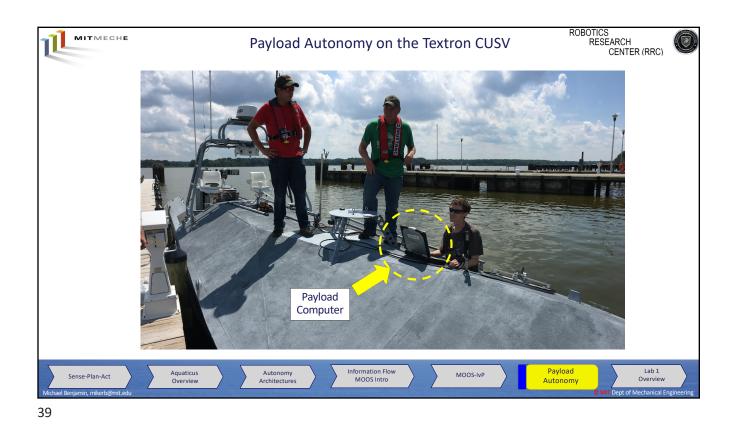


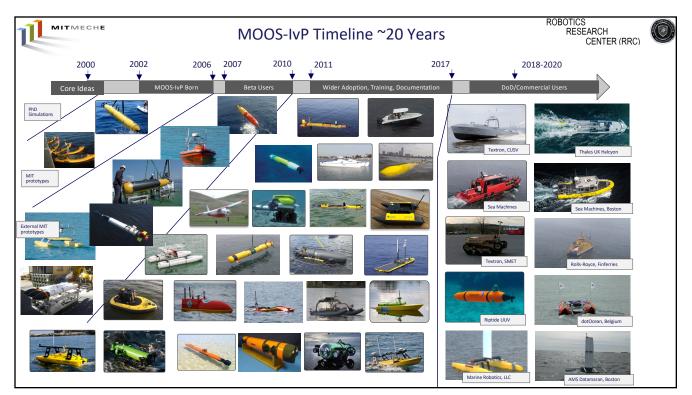






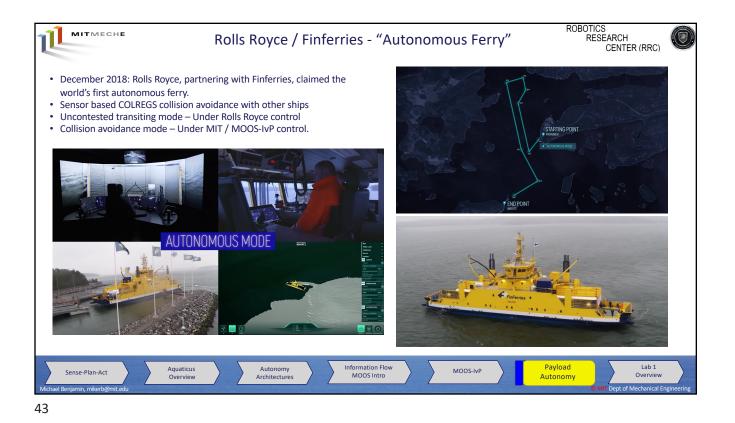












ROBOTICS RESEARCH CENTER (RRC) Sense-Plan-Act in MOOS-IvP System MITMECHE Command and Control Operator(s) Station World ¥ Sense Nav Sensors Radar AIS Receiver Env Sensors Field Comms Thrust Rudder Act Actuator Actuator Environmental pHemlvP MOOSDB Assessment Behavior Set P_N Behavior Nav Fusion Behavior PB Info Buffer Decide Sys Monitor P_{S,B} Behavior Contact Manager Controller Behavior F_B Solver Pc Obstacle Manager Path Planner Data Logger Behavior Information Flow MOOS Intro Payload Autonom Aquaticus Overview Autonomy Architectures Lab 1 Sense-Plan-Act MOOS-Iv Overvie of Mechanical

