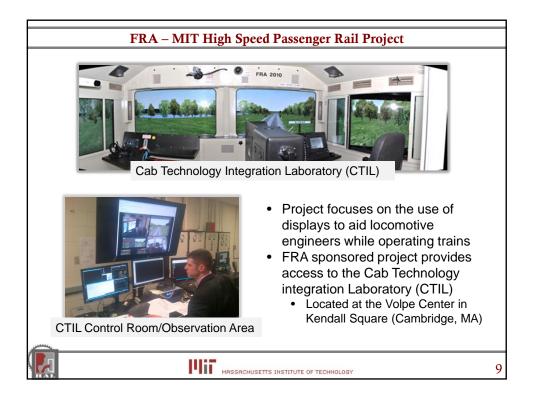
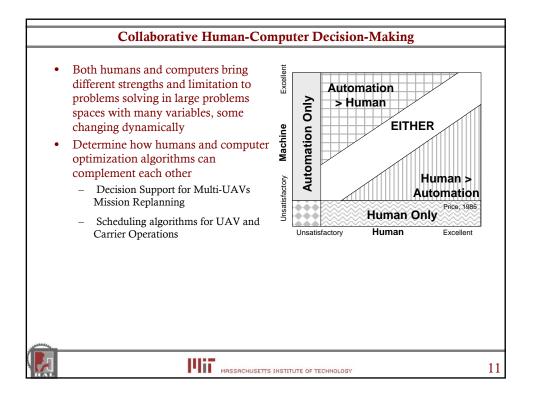
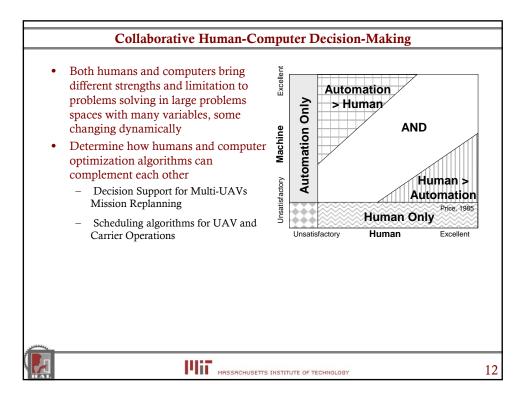


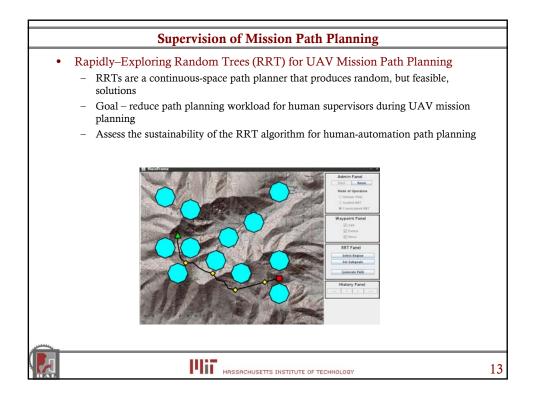
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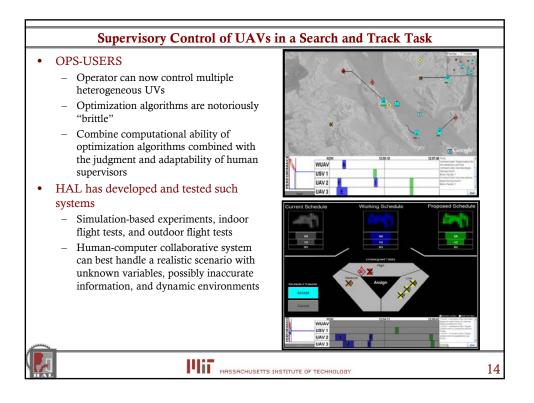


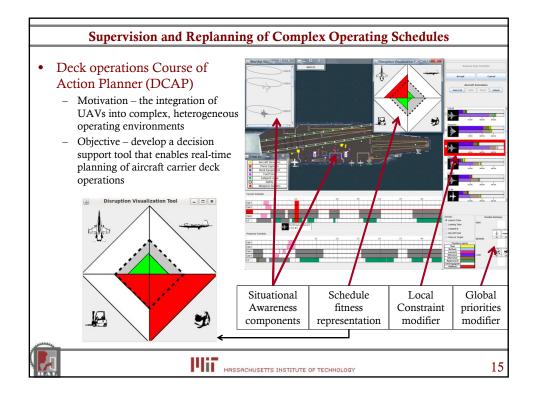


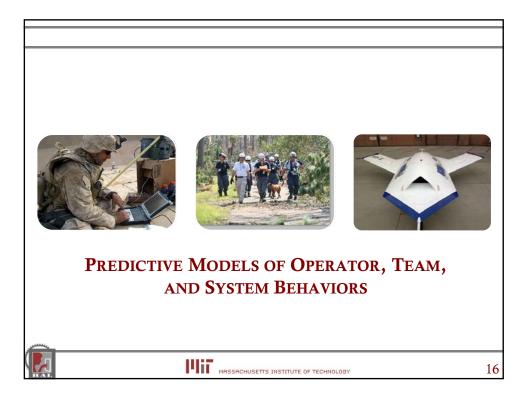


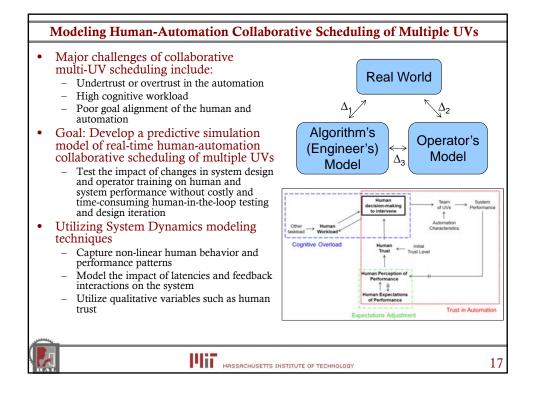


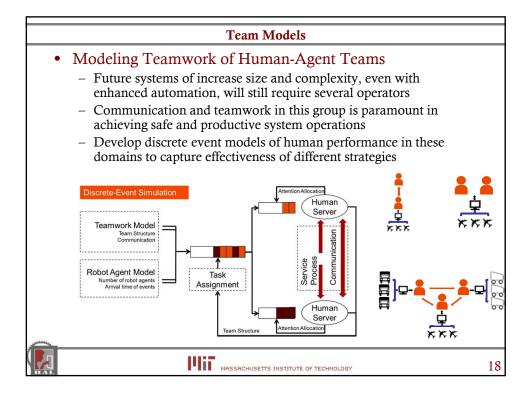


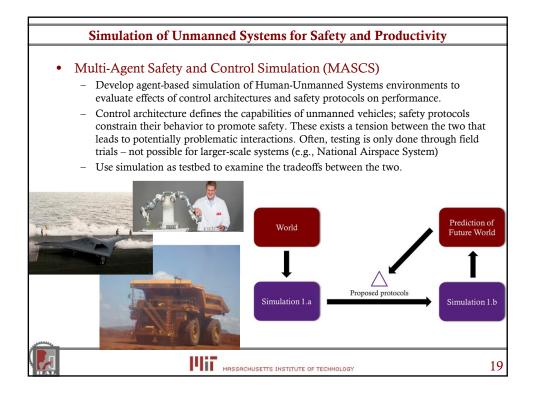




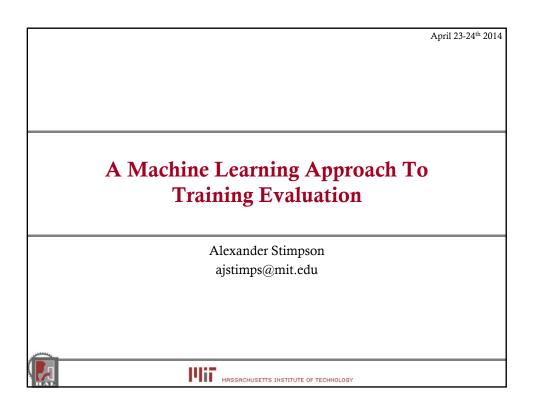








Current and Former Projects					
•	Former projects:				
	 Tracking operators' cognitive strategies in mission (re)planning (TRACS) 				
	 Assisting interruption recovery in collaborative time-sensitive targeting 				
	 Remote collaboration for urban search and rescue 				
	 Decision support for lunar and planetary exploration 				
	 Multimodal Interface Toolkit for UAV Systems (MITUS) 				
	 Design of an error resolution checklist for shared manned-unmanned environments (GUIDER) 				
	 Human-Automation Collaborative Taxonomy (HACT) 				
	 Configural Decision Support for Schedule Management of UAV Operations (StarVis) 				
	 Decision Support for Systems Acquisition (FanVis) 				
	 Investigating the effects of low workload in supervisory control of unmanned vehicles 				
	 Replan understanding for heterogeneous Unmanned Vehicle Teams 				
•	Current Projects				
	 Mobile Advanced Command and Control Station (MACCS) 				
	 Deck operations Course of Action Planner (DCAP) 				
	 Effects of vigilance on nuclear control operator performance 				
	 Examination of real versus perceived complexity in the nuclear control room environment 				
	 Minimum Information Interface for Locomotive Operation (MIILO) 				
	 Scheduling air for human operator surveillance tasks (HOSS) 				
	 Human-Automation Collaborative RRT for UAV Mission Path Planning 				
	 Micro Aerial Vehicle Visualization of Unexplored Environments (MAV-VUE) 				
	- Effects of workload transition on brain activity in ballistic missile defense operators				
	All publications are available at halab.mit.edu/publications				
JANNAL	Videos at youtube.com/halabatmit				
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Why Train?	?				
• Yield knowledge and skills that are useful, durable, and flexible, with the intention of improving the performance of the trainee (Bjork and Bjork 2006)					
Goals of Training					
Orga	anizational	Individual			
• S	afety	• Learning			
• P	roductivity	Job Security			
• E	fficiency	• Safety			
• N	Minimize time/cost				
 Need to assess whether goals are met (Kraiger et al. 1993, Bjork and Bjork 2006, Eseryel 2002, Alvarez et al. 2004, Blanchard et al. 2000, Ghodisan et al. 1997,) 					
		TTS INSTITUTE OF TECHNOLOGY	22		

