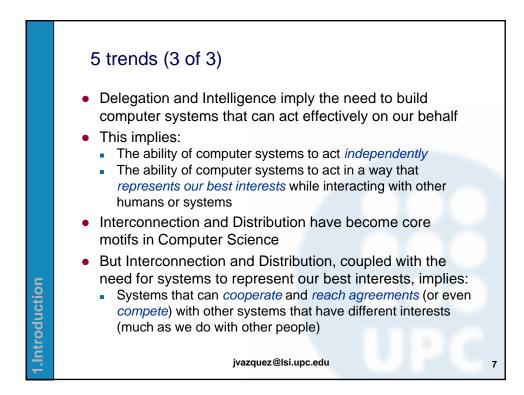
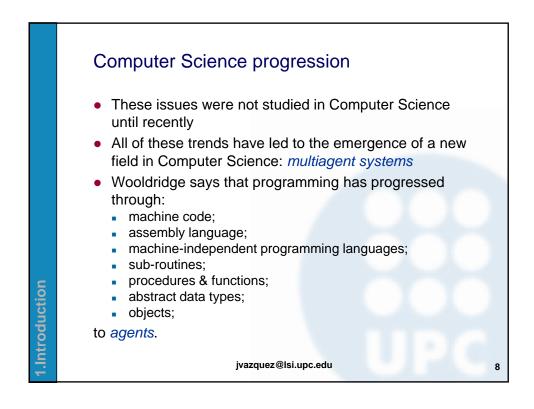
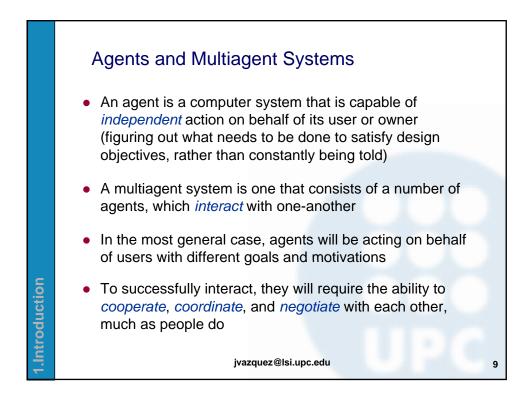
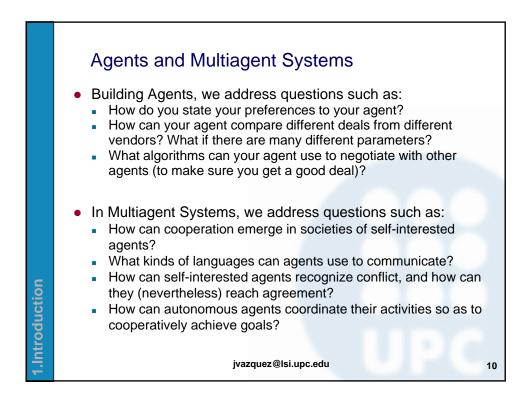


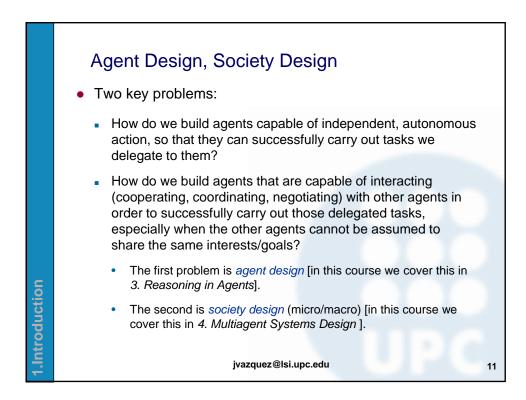
	5 trends (2 of 3)
	 Intelligence The complexity of tasks that we are capable of automating and delegating to computers has grown steadily, to the limits that we can define as <i>intelligent</i>.
	 Delegation Computers are doing more for us – without our intervention We are <i>giving control</i> to computers, even in safety critical tasks
1.Introduction	 Human orientation The movement away from machine-oriented views of programming toward concepts and metaphors that more closely reflect the way we ourselves understand the world Programmers conceptualize and implement software in terms of higher-level – more human-oriented – abstractions jvazquez@lsi.upc.edu

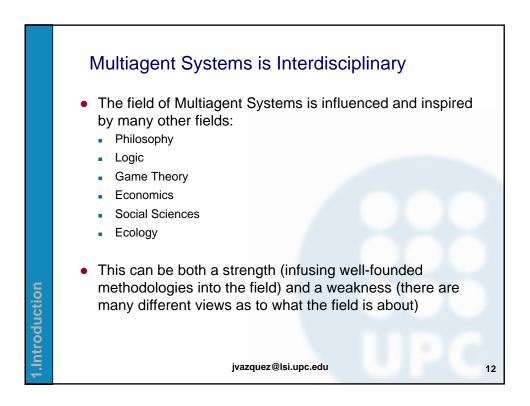


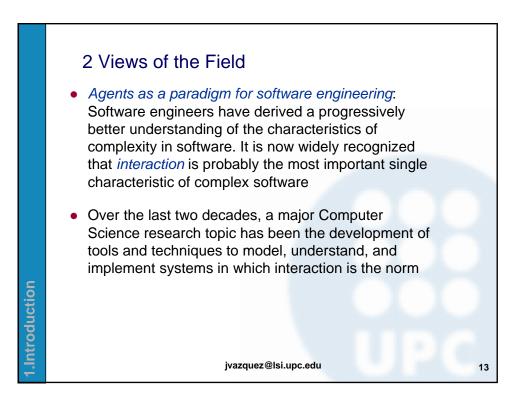


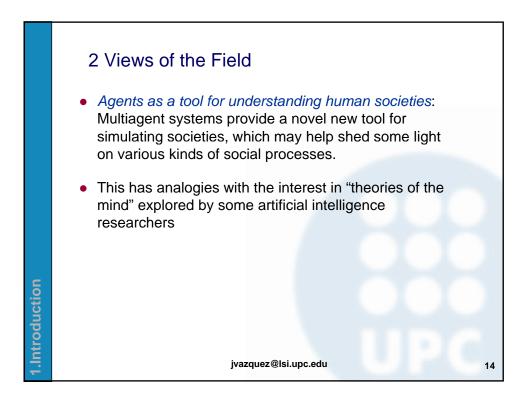


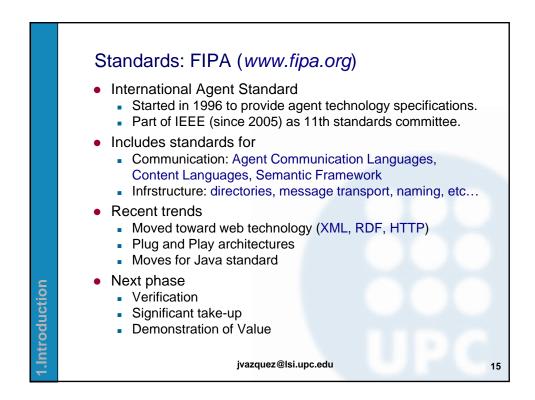


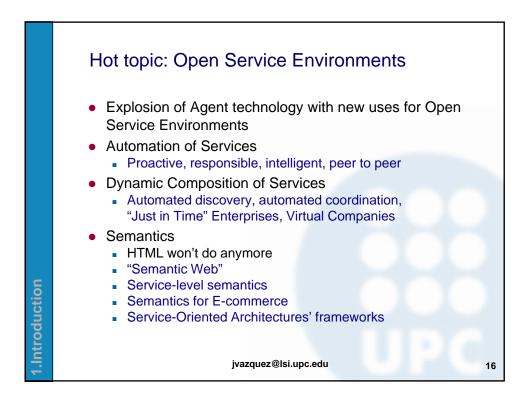


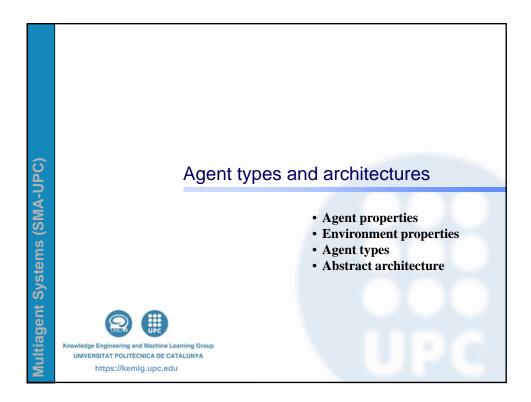


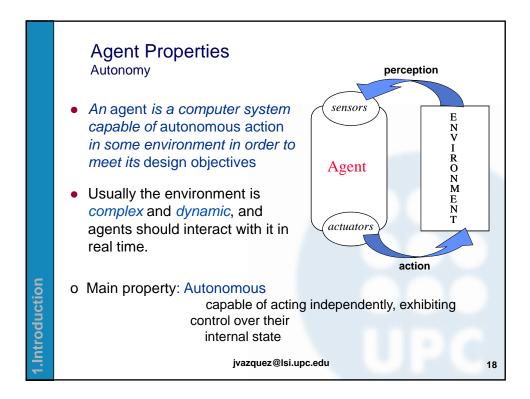


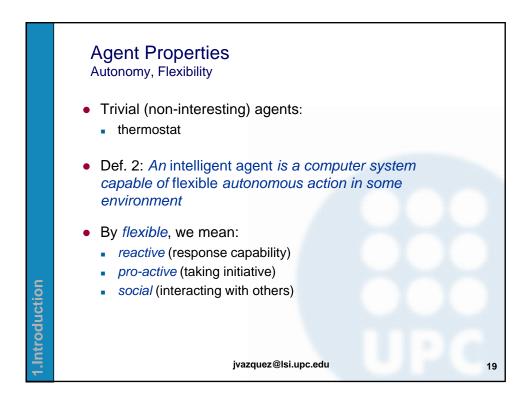


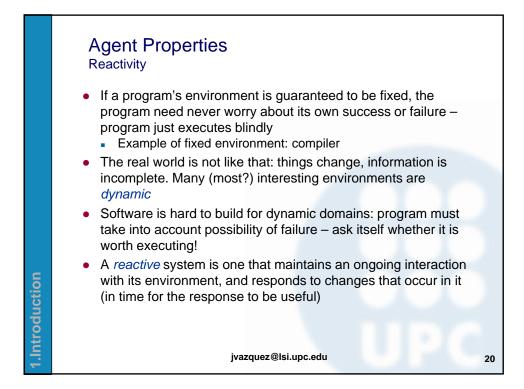






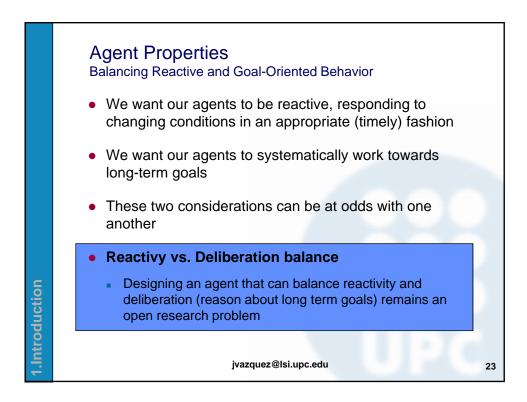




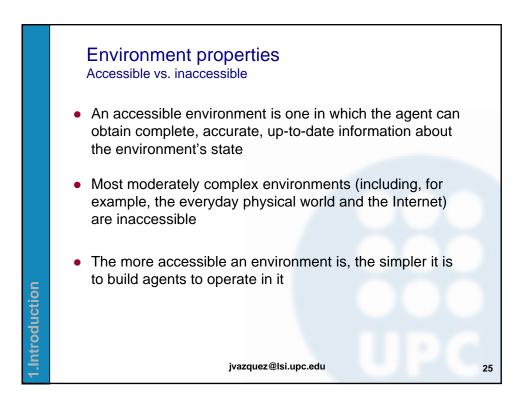


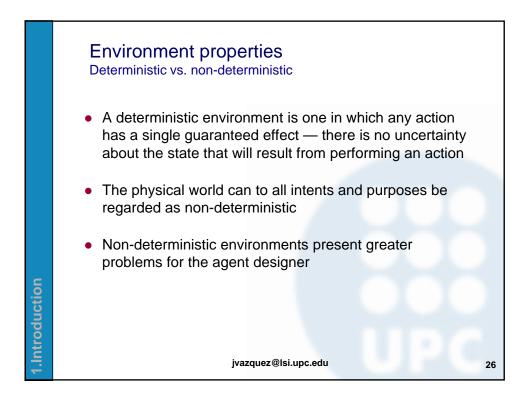


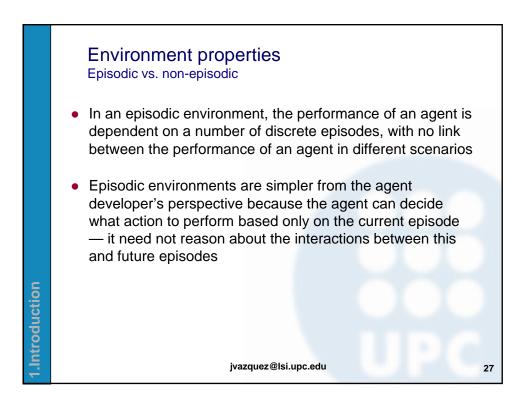


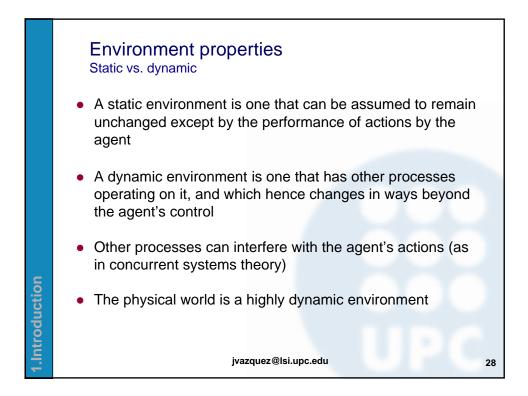


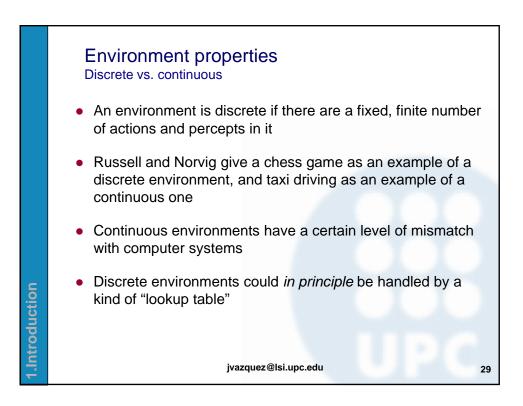


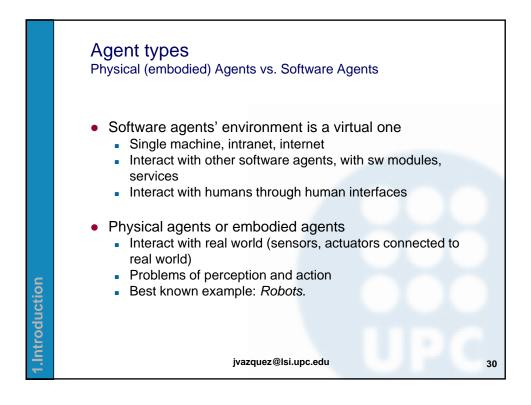


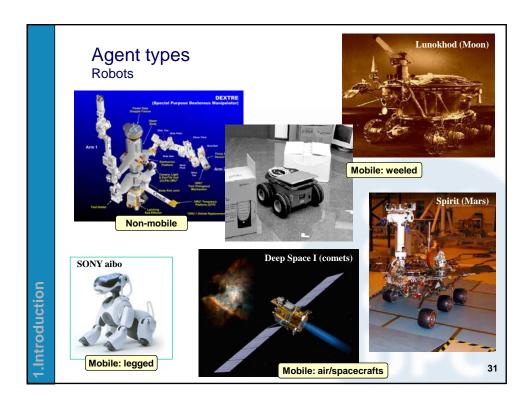




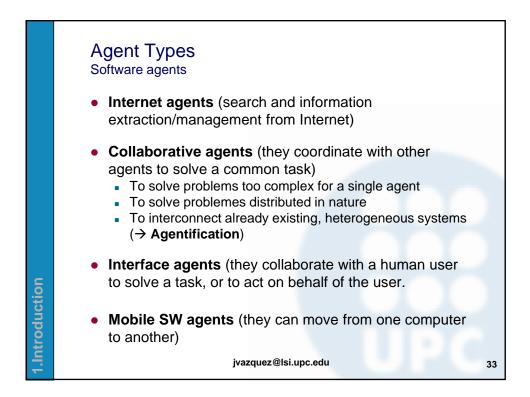


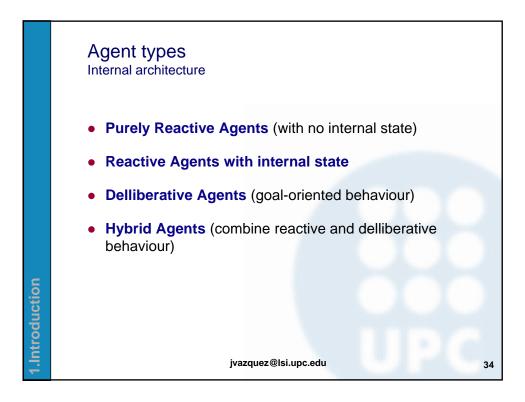


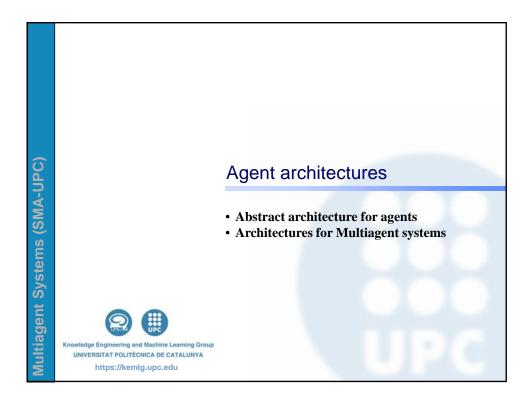


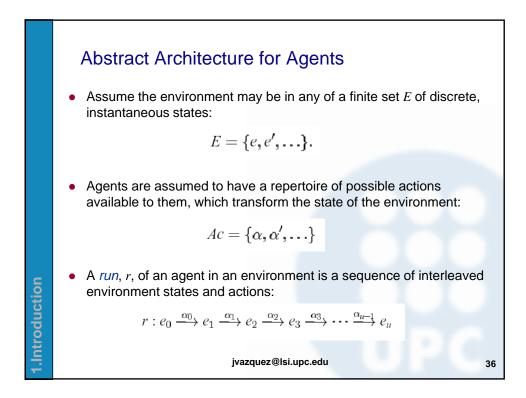


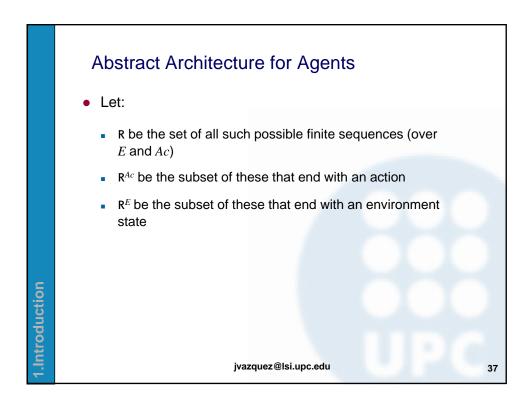


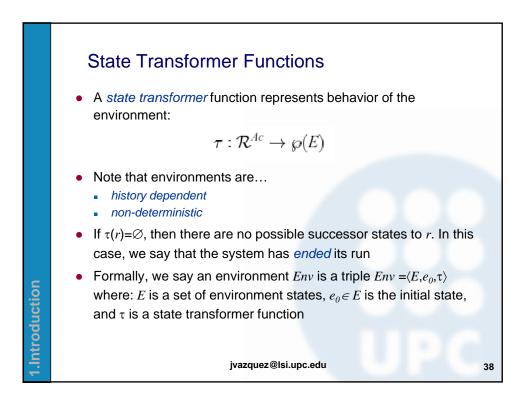


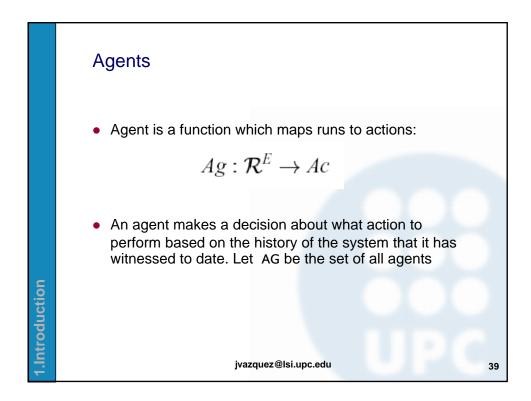


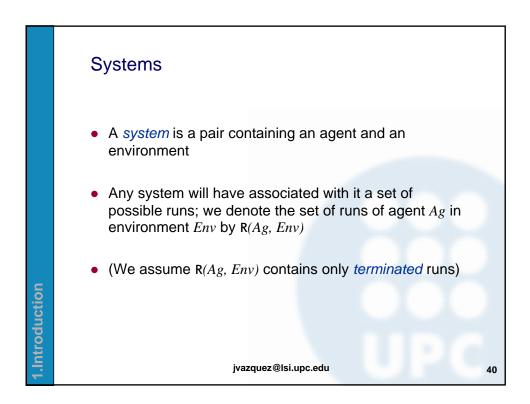


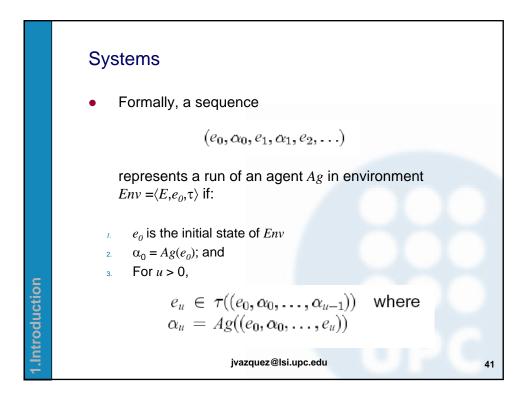


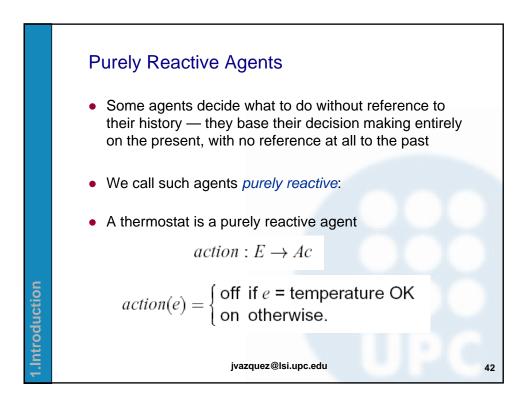


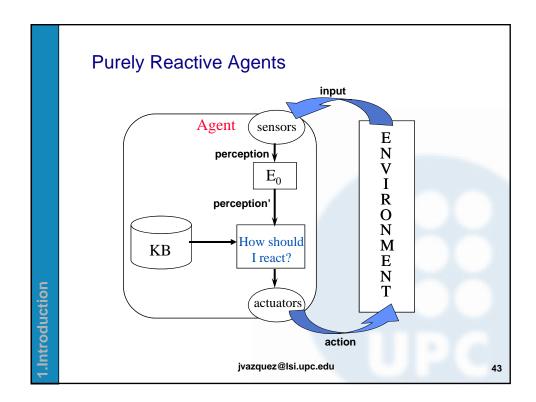


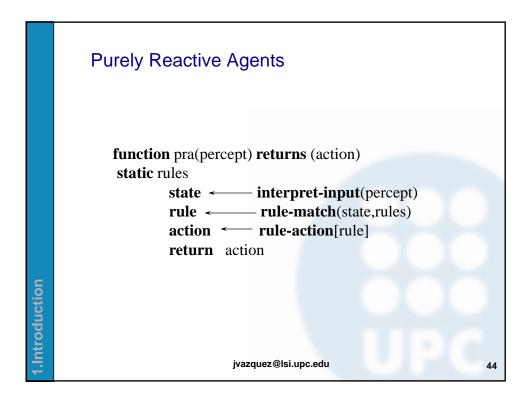


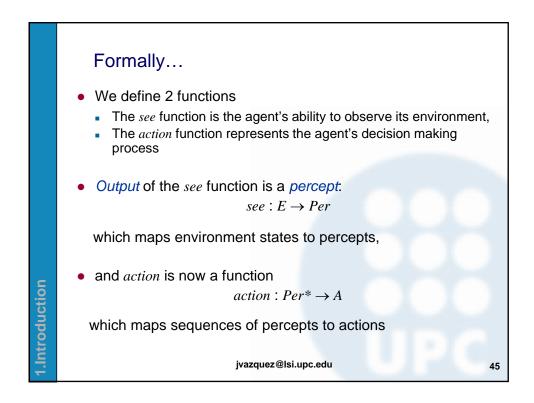


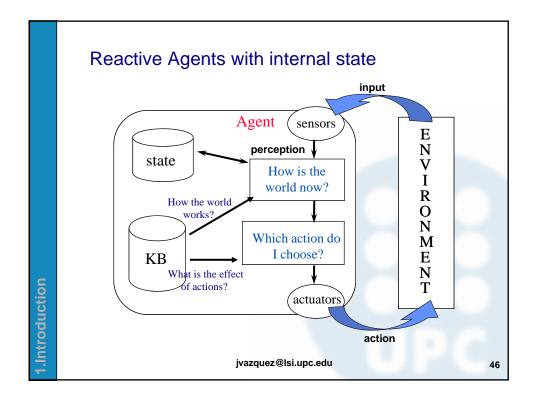


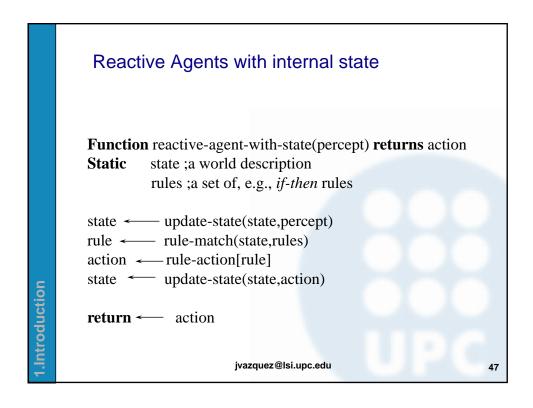


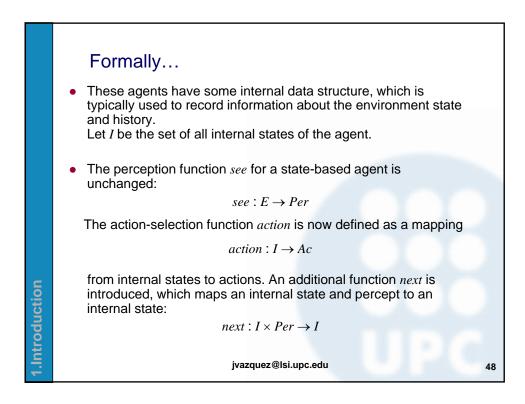


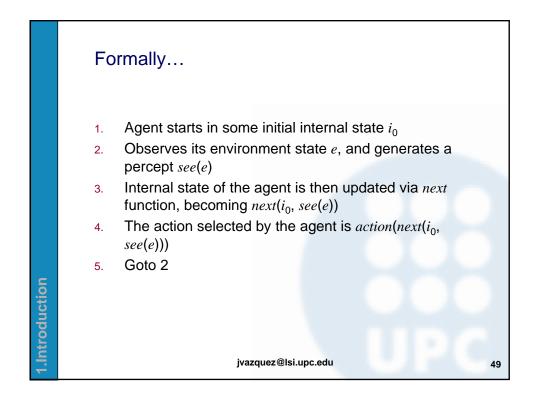


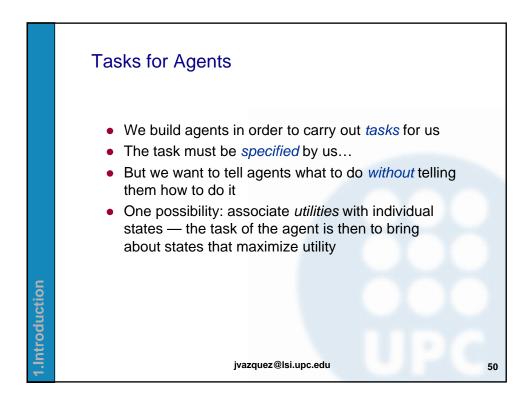


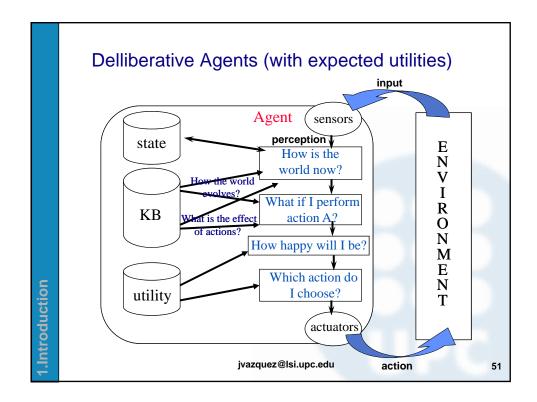


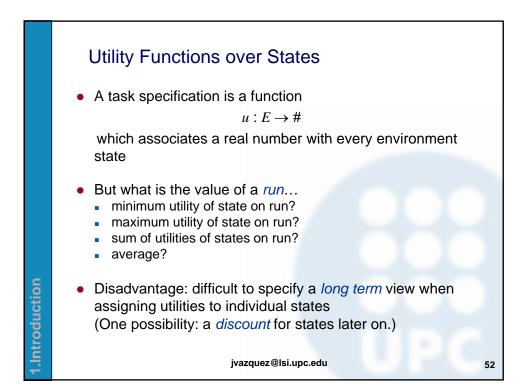


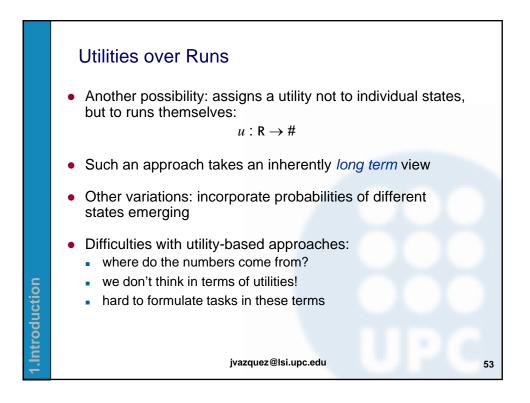


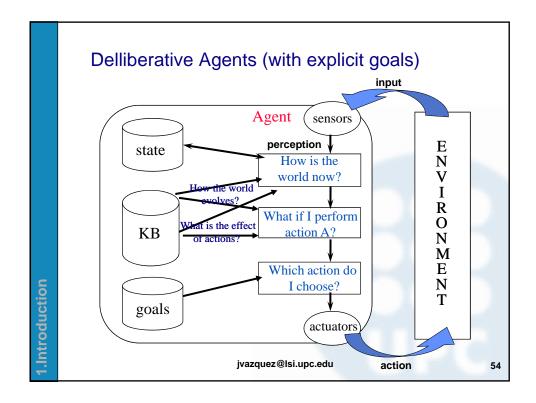


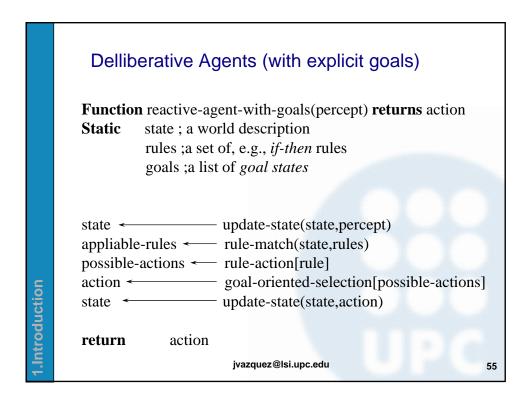


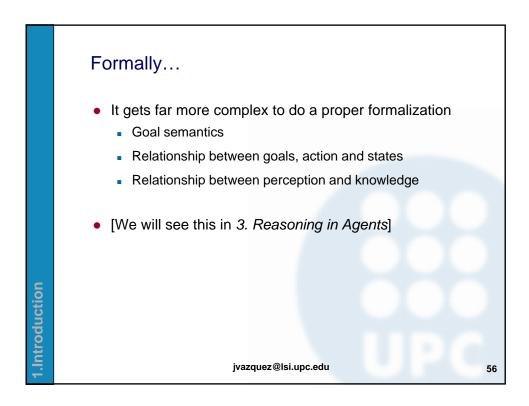


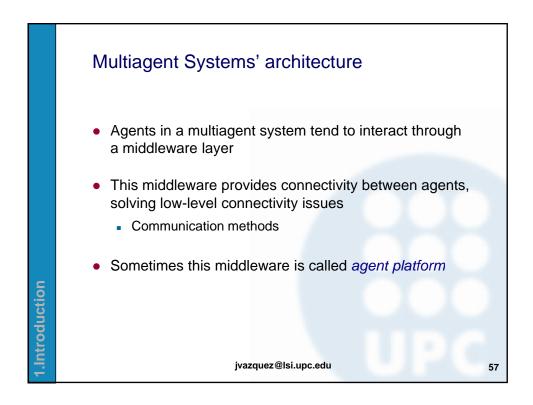


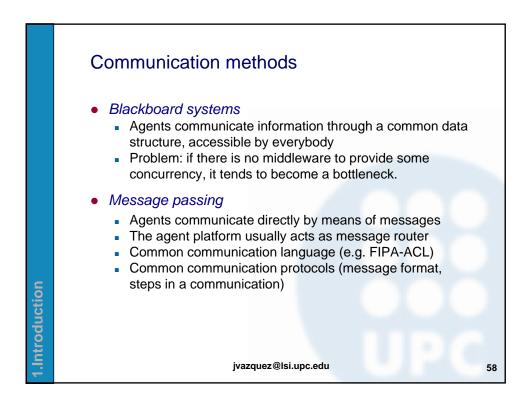


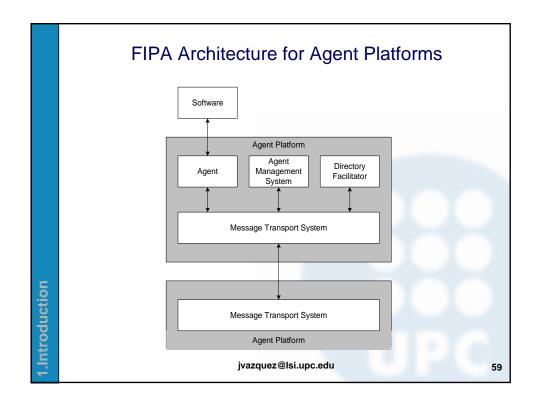


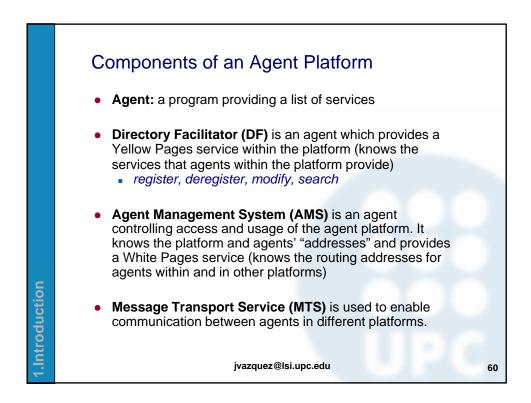


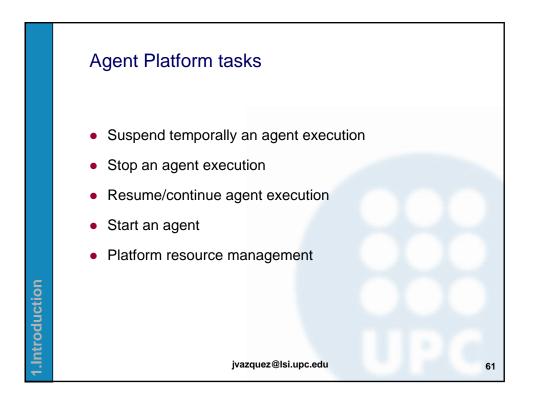




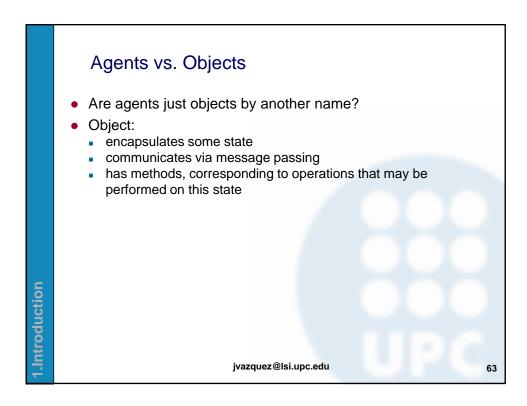


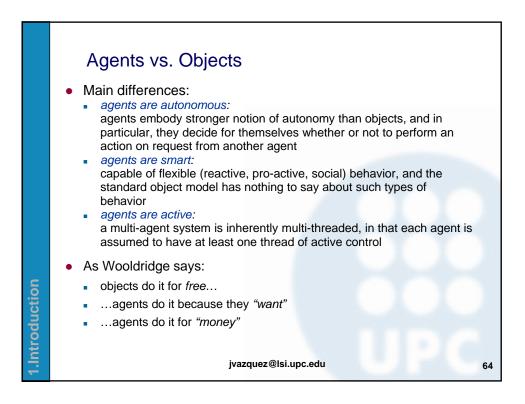


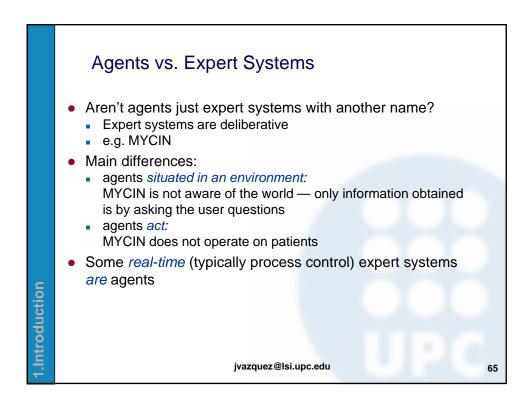












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These slides are based mainly in material from [2] and [1], with some additions from material by U. Cortés, J.Padget, A. Moreno and Steve Willmott