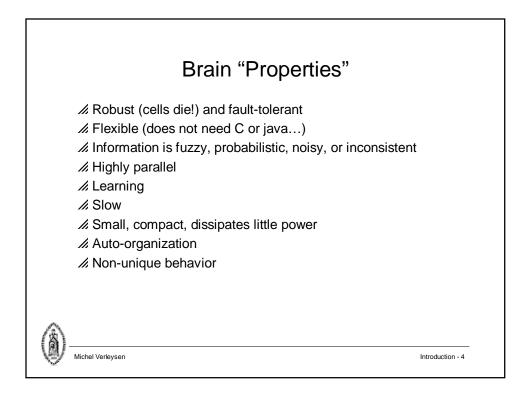
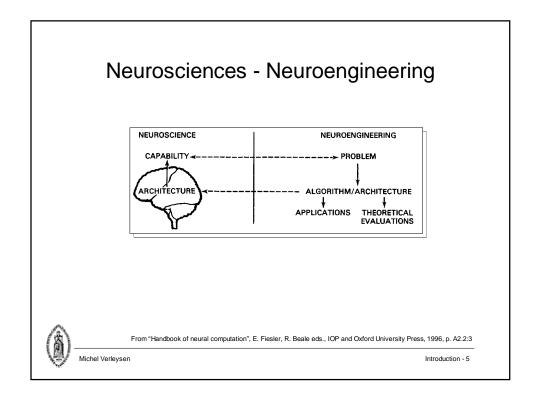
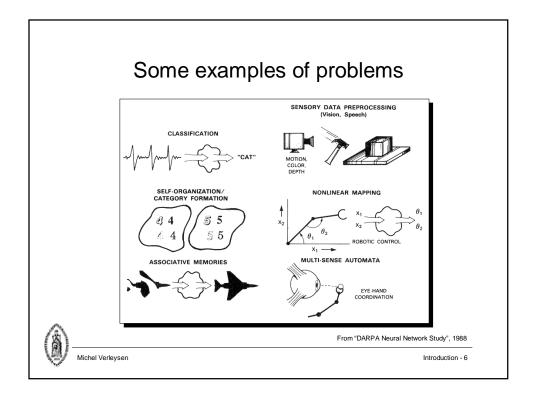
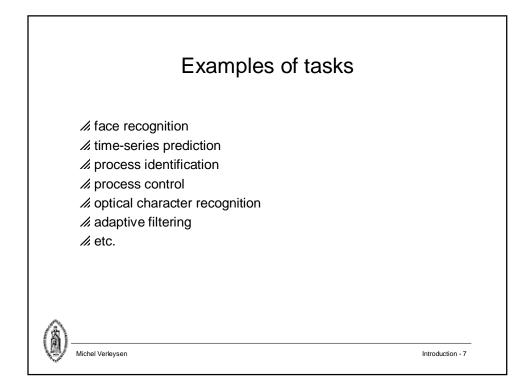


Why Anns?			
Von Neumann's computer	(Human) brain		
determinism sequence of instructions high speed	fuzzy behaviour parallelism slow speed		
repetitive tasks programming uniqueness of solutions	adaptation to situations learning different solutions		
ex: matrix product	ex: face recognition		









1940 – 1965	Hebb	biological learning rule
1340 1303	McCulloch & Pitts	binary decision units
	Rosenblatt	Perceptron - learning
1969	Minsky & Papert	limits to Perceptrons
1974	Werbos	back-propagation
1980 –	Hopfield	feedback networks
	Parker, LeCun, Rumelhart, McClelland	back-propagation
	Kohonen	Self-Organizing Maps

