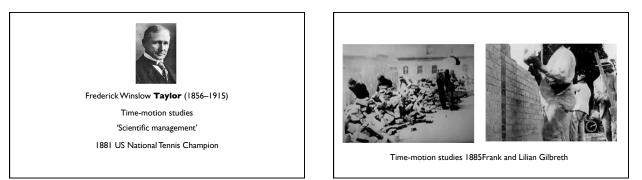


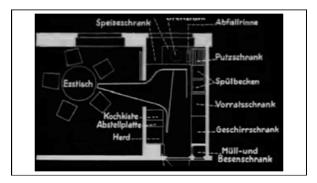


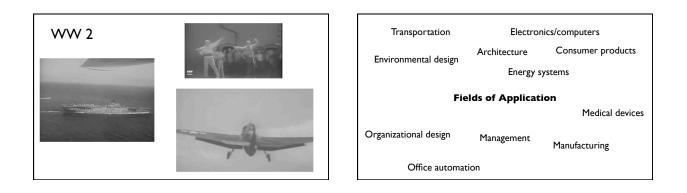
Part One >> Human Factors as a Field

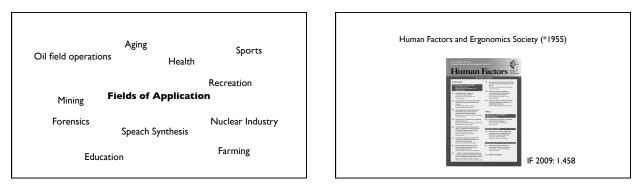


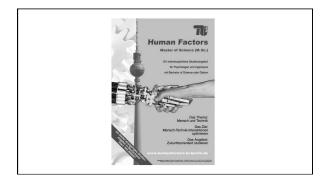


Frankfurt Kitchen 1926 by Margarete Schütte-Lihotzky

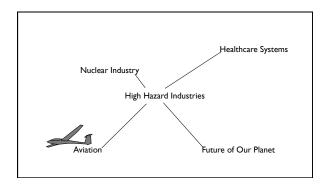








Part Two >> Some Human Factors principles and their application to infection control



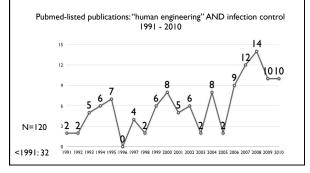


"Latent errors or system failures pose the greatest threat to safety in a complex system because they lead to operator errors.

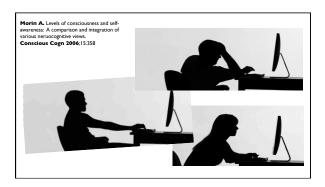
They **are failures built into the system** and present long before the active error.

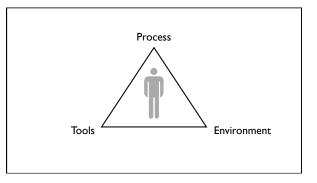
Latent errors are **difficult** for the people working in the system **to see** since they may be hidden in computers or layers of management and people become accustomed to working around the problem."

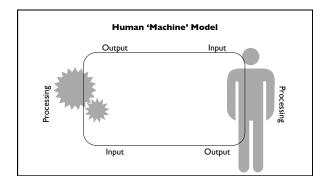
> Kohn L, Corrigan J, Donaldson M. Washington, DC: Institute of Medicine, National Academy Press; 1999.

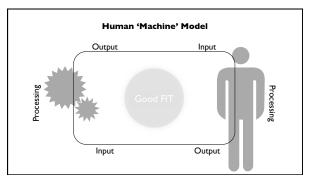


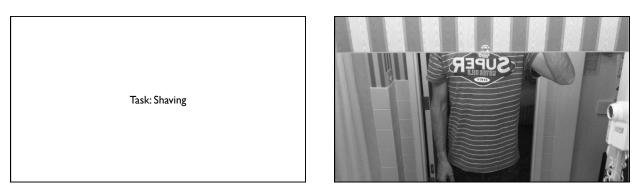


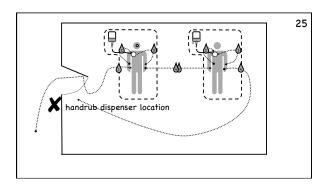


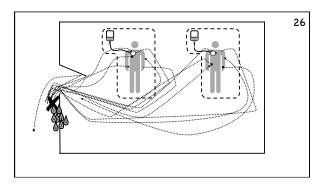


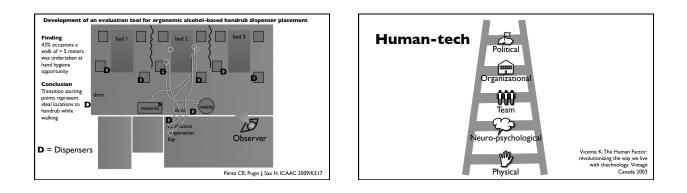


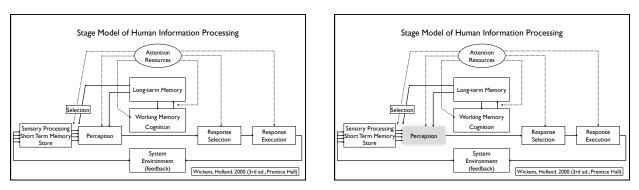


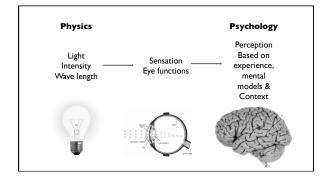




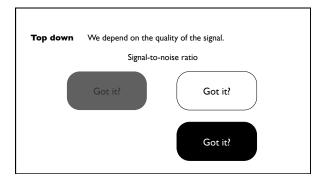




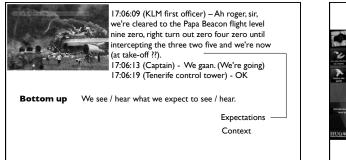




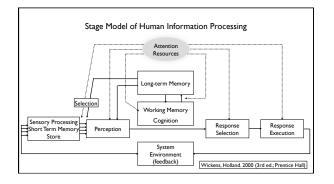
Top down	We depend on the quality of the signal.
Bottom up	We see / hear what we expect to see / hear. Expectations
	Context

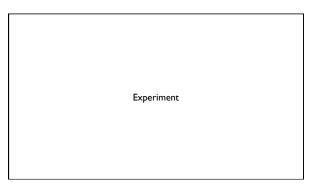


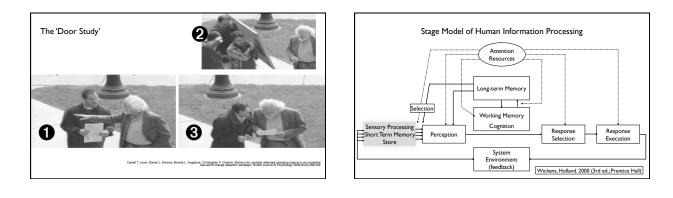
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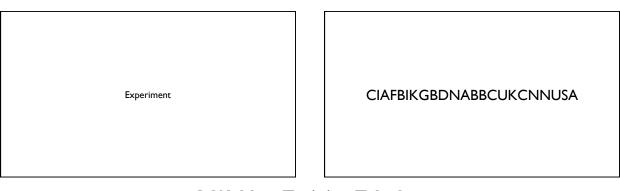








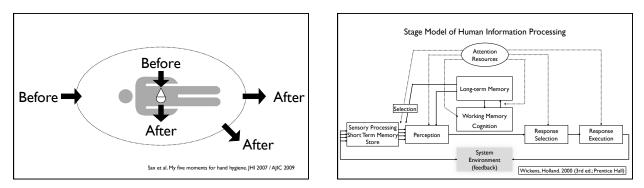




CIA FBI KGB DNA BBC UK CNN USA	Chunk ing enhances memory
	Hiter GA The migraf number seen place or minus not some limits on are capital for provessing advantation. Prychol Rev 1556,5331-37

7 ± 2 items

Before touching a patient Before a clean/aseptic task After body fluid exposure risk After touching a patient After touching the patient surroundings



Infection control and prevention suffers from a **action/feedback disconnect**

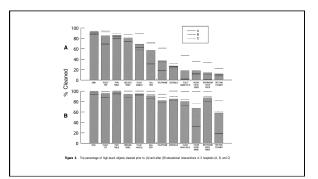


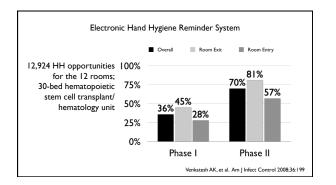


Making things visible/tangible



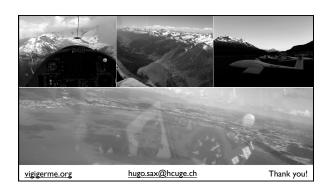








Typical HF evaluation methods	Ethnographic analysis
	Focus groups
	Iterative design
	Meta-analysis
	Subjects-in-tandem
	Surveys and questionnaires
	Task analysis
	Think aloud protocols
	User analysis (persona)
	'Wizard of Oz' experiments



	COMING SOON
26 May I I	Safe Injection Devices: 10 Years Out Where are the Gaps?
	Speaker: Ed Krisiunas, WNWN International Inc.
30 May	(Free Teleclass – Live Broadcast from CHICA-Canada Conference)
	Benchmark and Performance Measurement
	Speakers: Zahir Hirji, Bridgepoint Hospital (Toronto) and
	Leslie Forrester, Vancouver Coastal Health
	Sponsored by GOJO (www.gojo.com)
9 June II	Using Checklists to Prevent Healthcare Associated Infections
	Speaker: Prof. Peter Pronovost, Johns Hopkins University
	Sponsored by:Virox Technologies Inc (www.virox.com)
14 June 11	(Free Teleclass - 10th Anniversary Lecture) Environmental Surfaces and Pathogen
	Spread: After 10 Years, Are We Really Any Better Off?
	Speaker: Prof. Syed A. Sattar, University of Ottawa
	Sponsored by:Virox Technologies Inc (www.virox.com)
	and Diversey (www.diversey.com)
	www.webbertraining.com/schedulepl.php