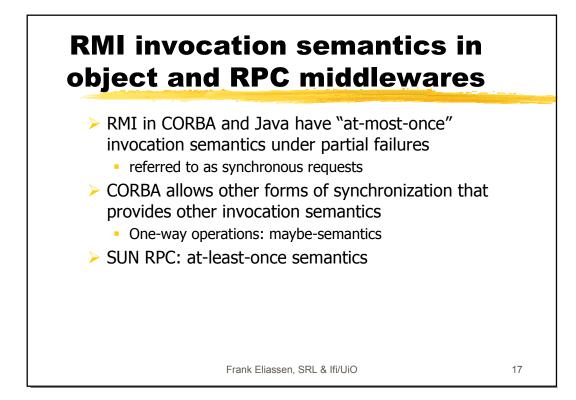
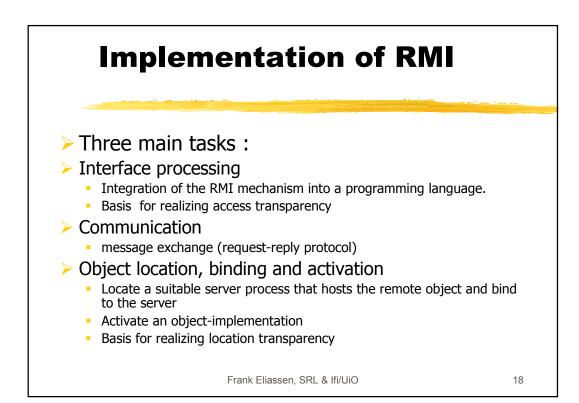
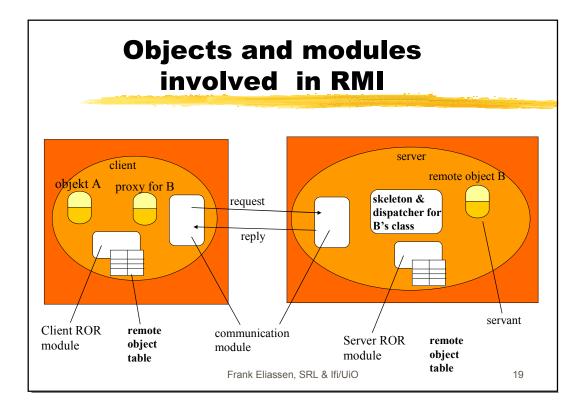
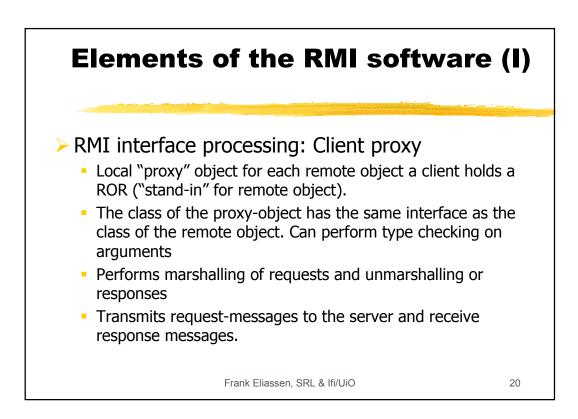


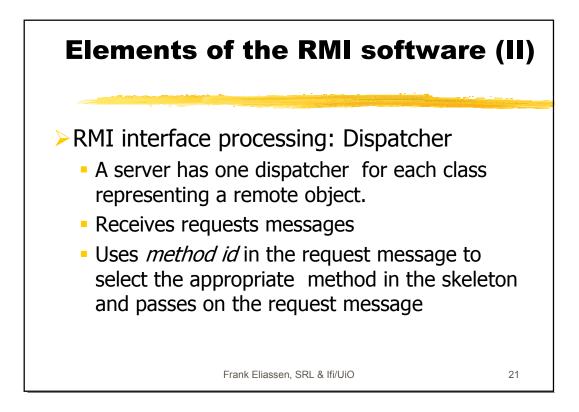
PC/RMI	invoca	tion sema	antics	
Reliability sem	antics of RPC	/RMI under partial	failures	
	Fault tolerance measures		Invocation semantics	
Retransmit Request message	Duplication filtering	Re-excute method <i>or</i> retransmit Reply	_	
No (R)			Maybe	
Yes (RR)	No	Re-execute method	At-least-once	
yes (RR)	Yes	Retransmit Reply	At-most-once	
	Frank Eliass	en, SRL & Ifi/UiO		

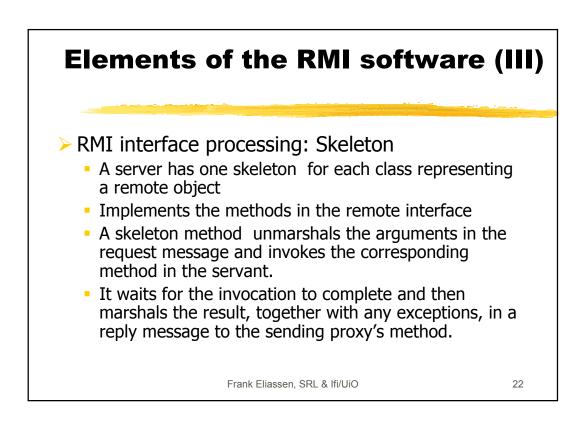


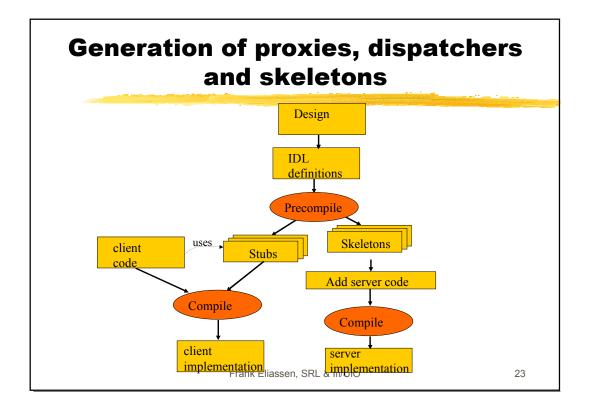


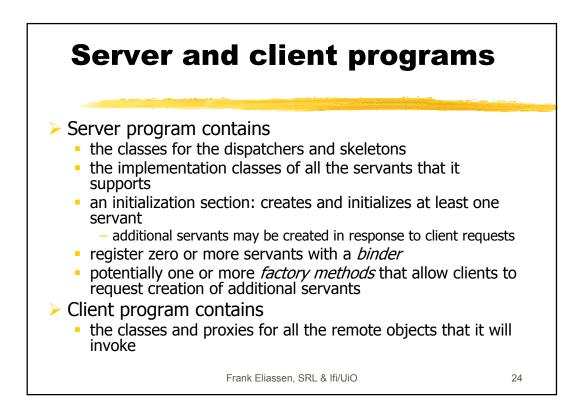


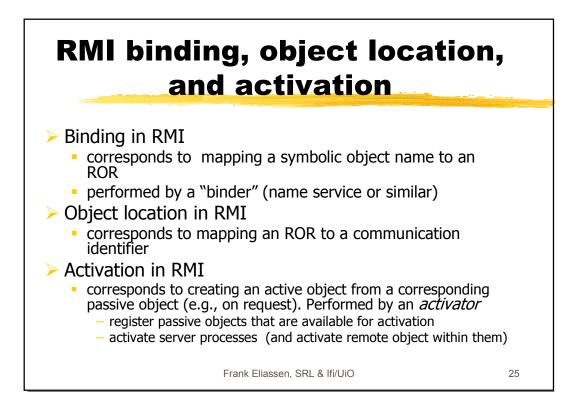


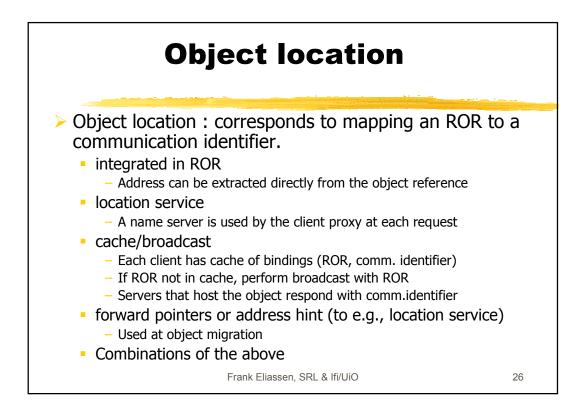


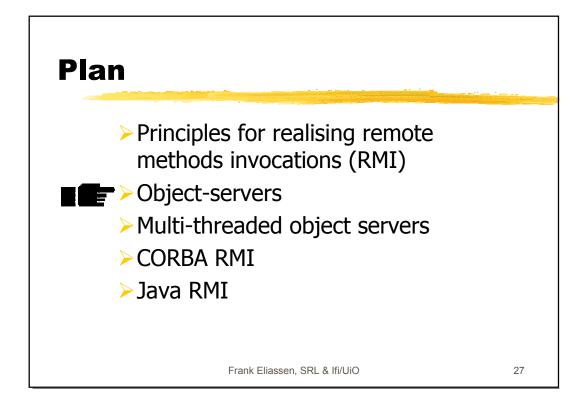


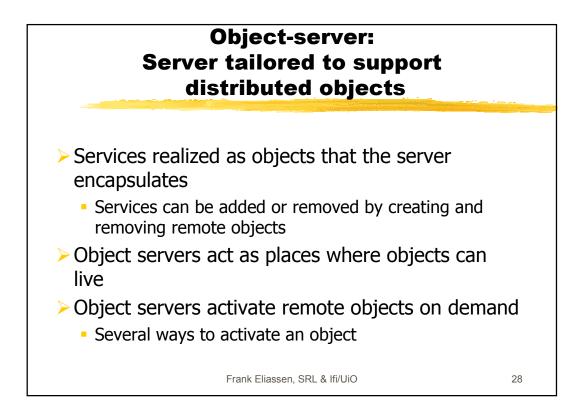


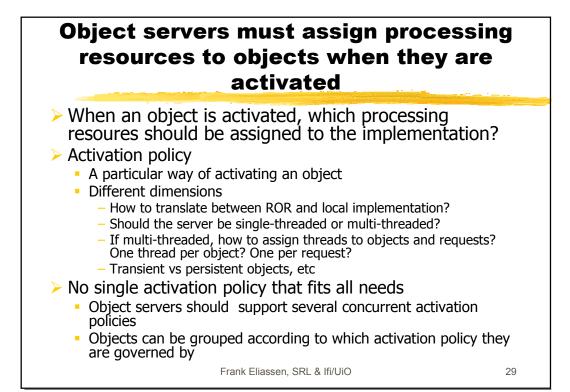


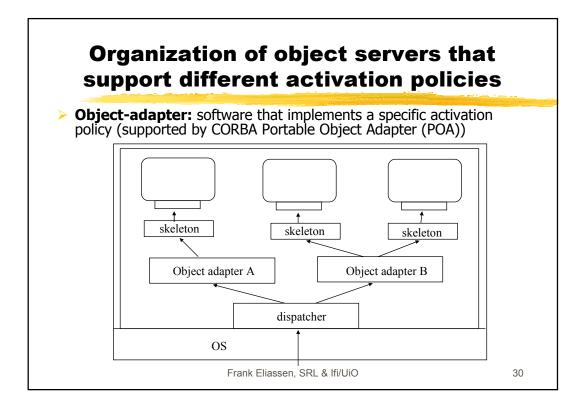


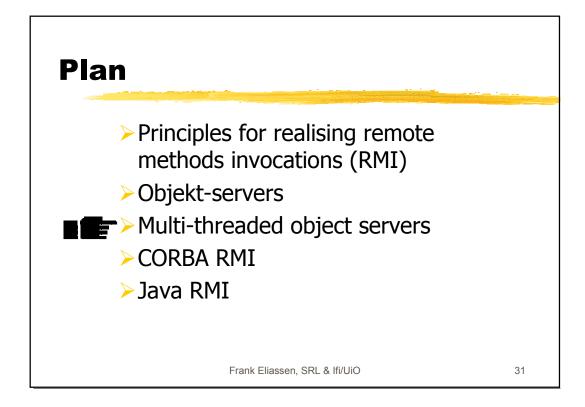


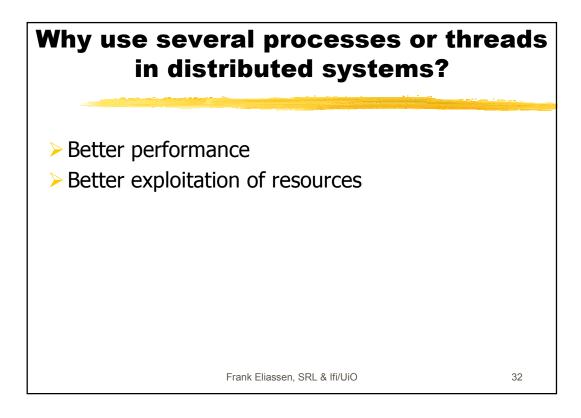


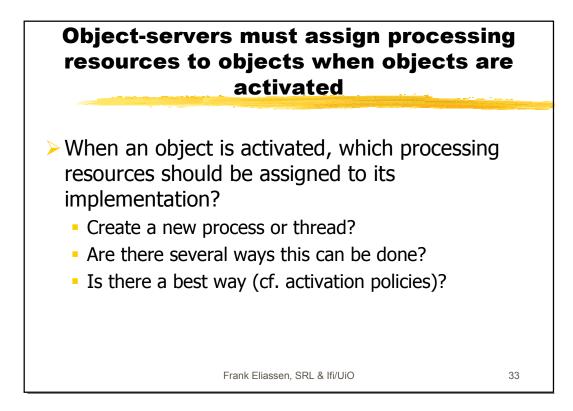


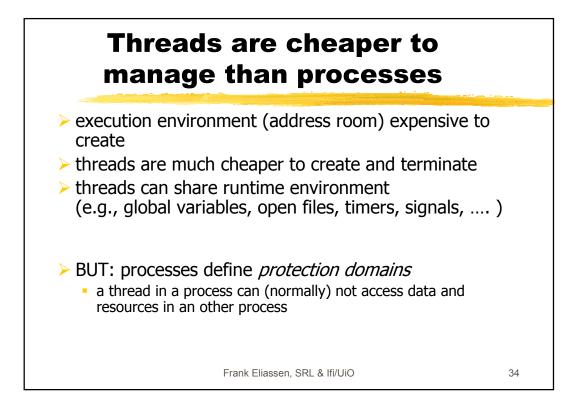


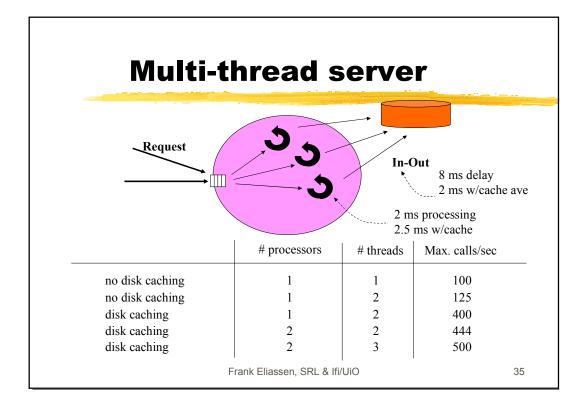


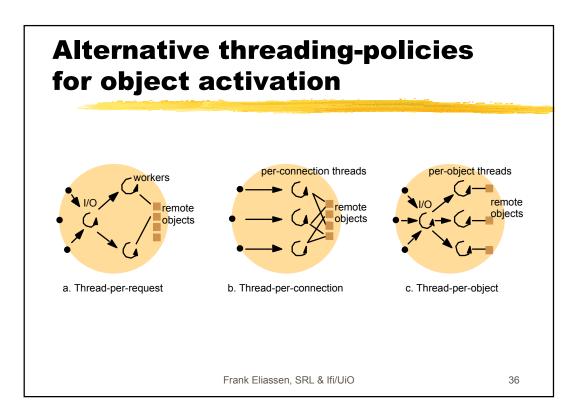


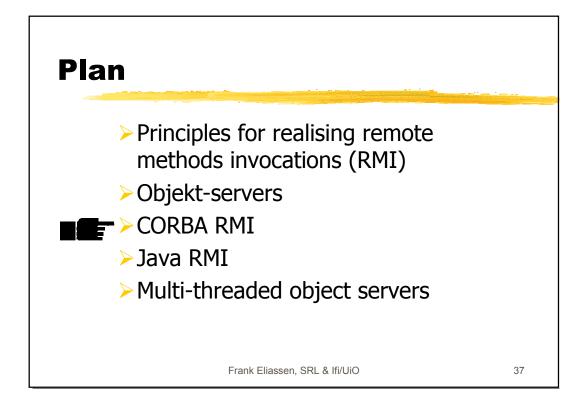


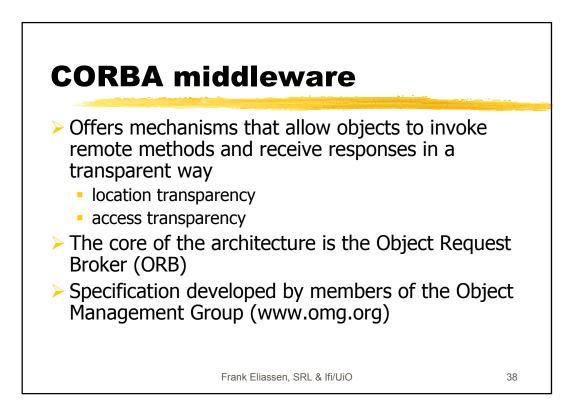


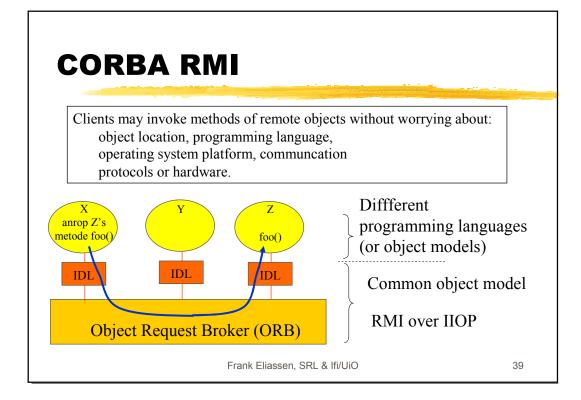


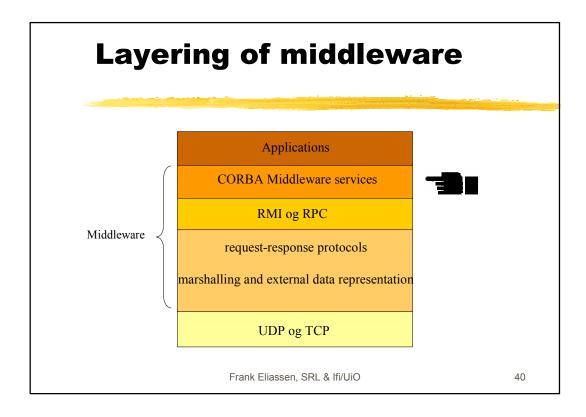


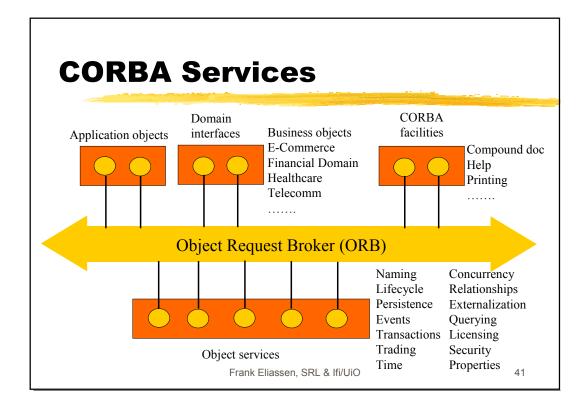


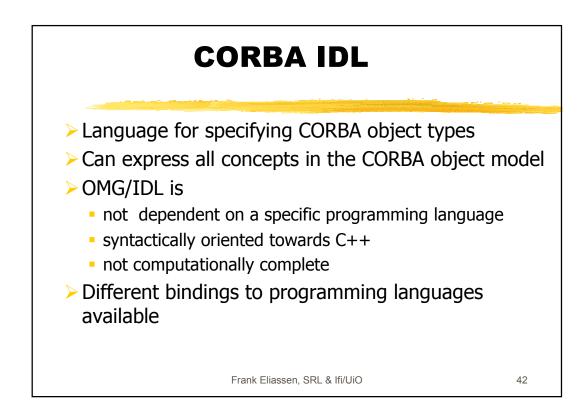


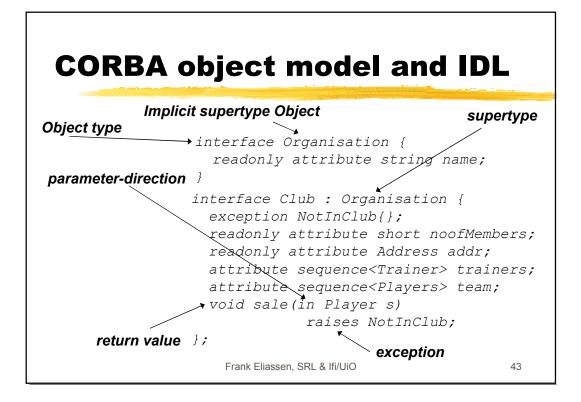


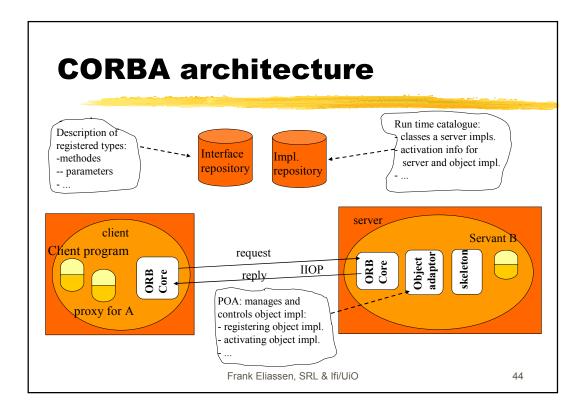


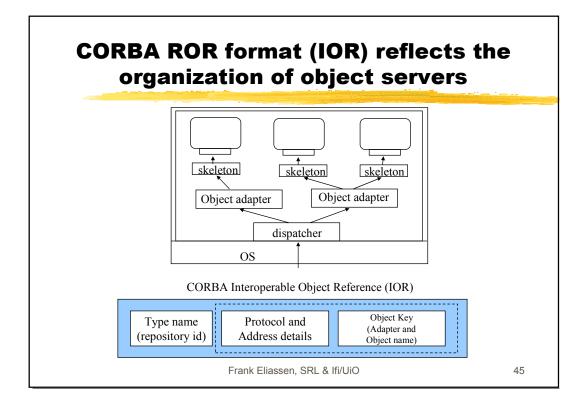


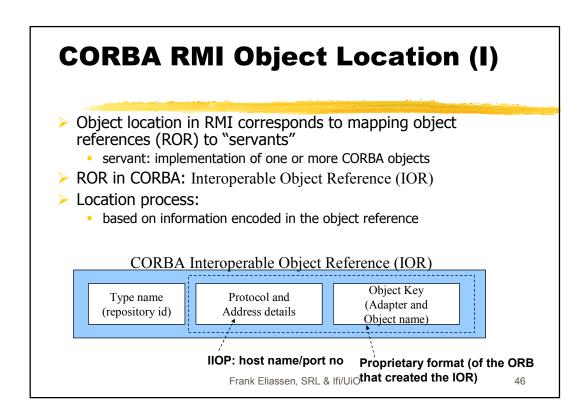


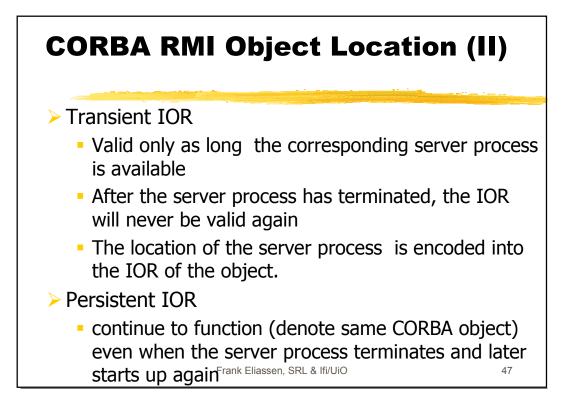


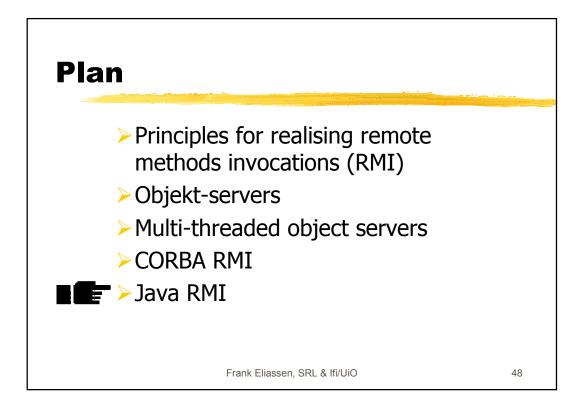


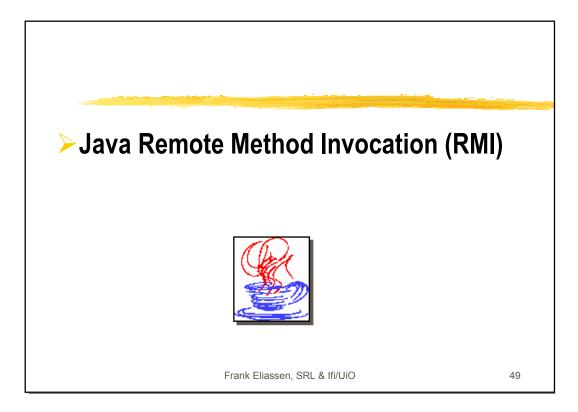


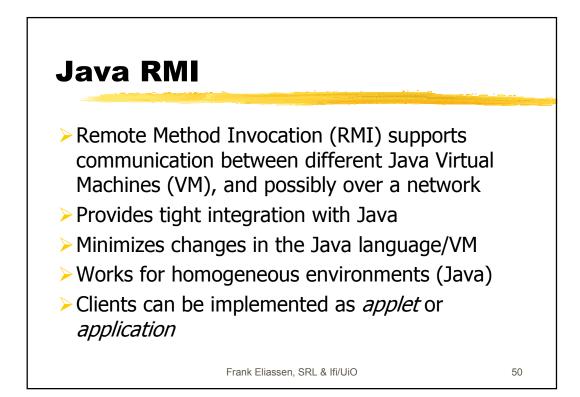




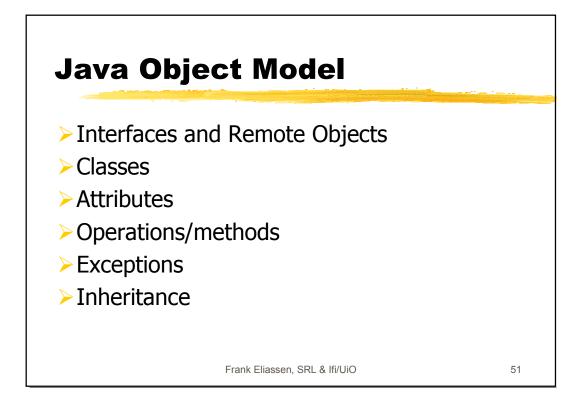


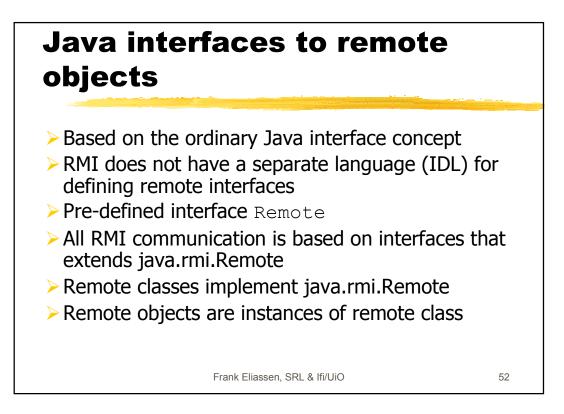


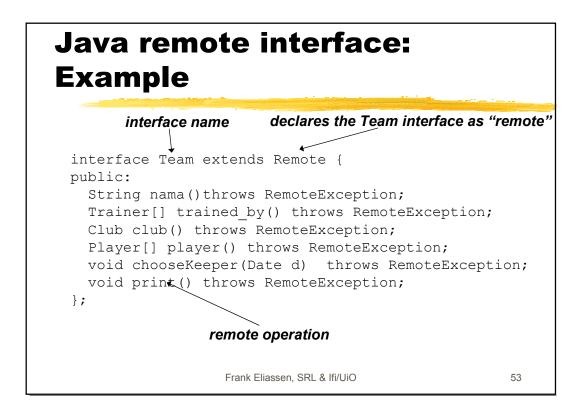


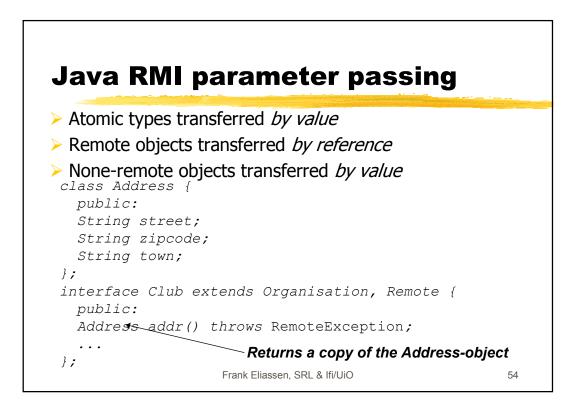


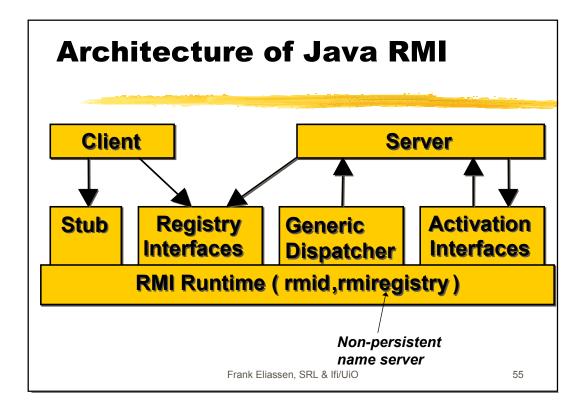


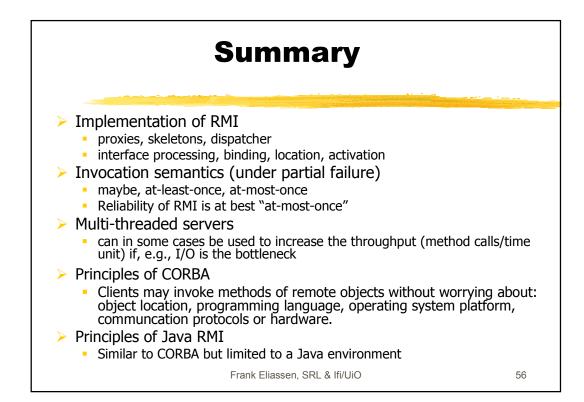


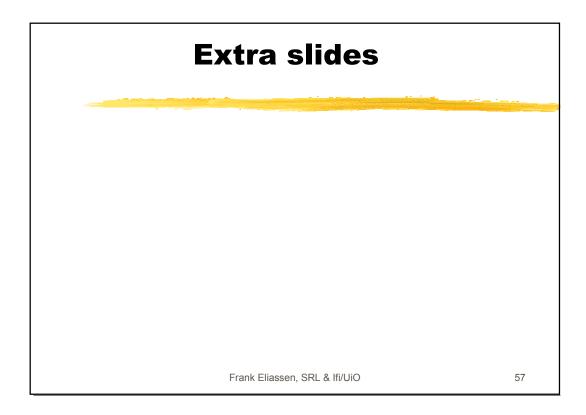


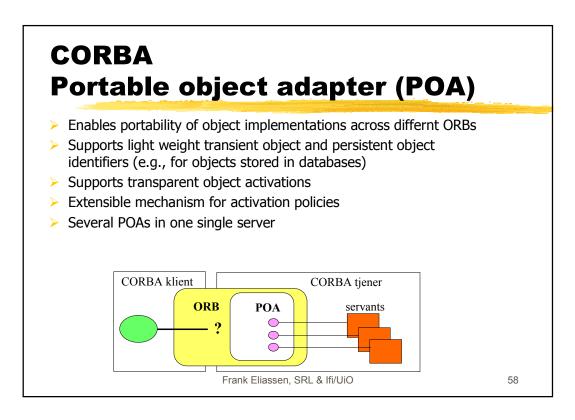




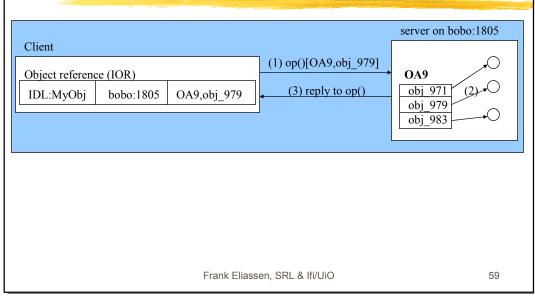








Locating transient IORs over IIOP



Locating persistent IOR over IIOP

- > uses Implementation Repository (IR) as activator.> IR:
 - handles process/thread-creation and -termination, a.m.
 - is not portable (specific to an ORB implementation)
 - not standardized
 - tailored to specific environments
 - not possible to write specifications that cover all environments
 - communication between an ORB and its IR is not visible to the client
 - Object migration, scaling, performance, and fault tolerance are dependent on IR
 - Implemented usually as a process at a fixed address
 - a set of host machines that is configured under the same IR is denoted a "location domain"

Frank Eliassen, SRL & Ifi/UiO

30

