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Comparative Rapid Prototyping, A Case Study

Luqi||Shing, M.; Puett, J.; Berzins, V.; Guan, Z.; Qiao, Y.; Zhang, L.; Chaki, N.; Liang, X.; Ray, W.; Brown, M....

Luqi et al., "Comparative rapid prototyping: a case study," 14th IEEE International Workshop on Rapid Systems Prototyping, 2003. Proceedings., San Diego, CA, USA, 2003, pp. 210-217.

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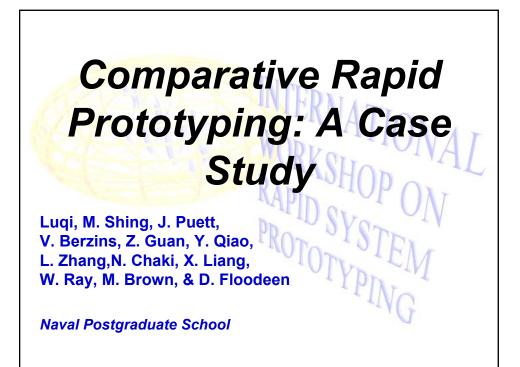
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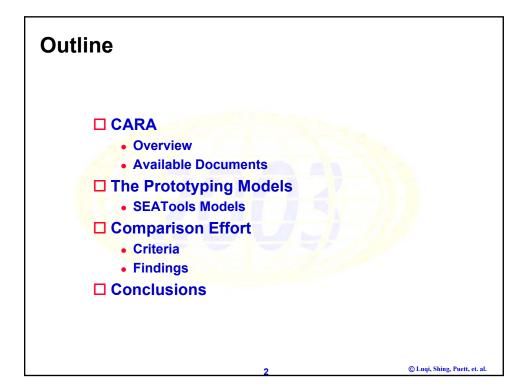


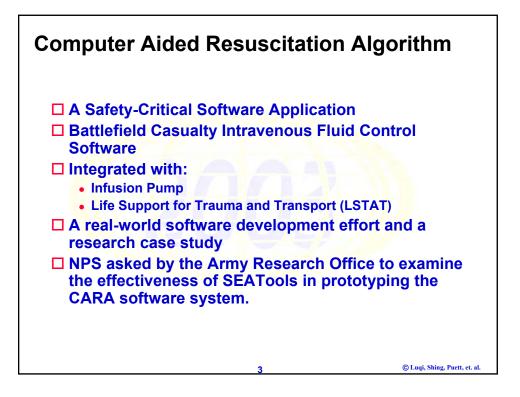
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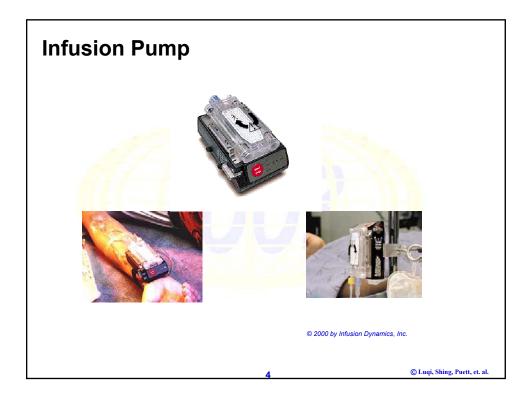
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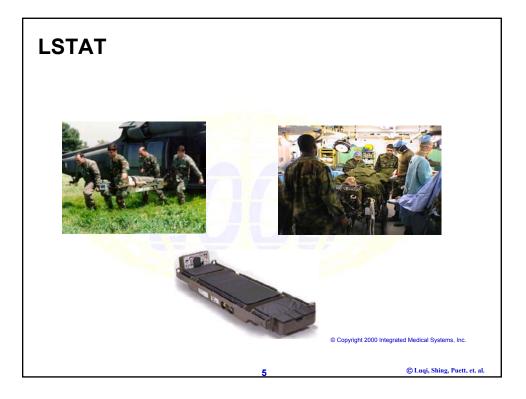
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Rec	quirements Excerpt
7	The CARA will monitor the occlusion lines whenever the pump is plugged in.
7.1	If an occlusion fault is detected
7.1.1	An appropriate error message should is issued.
7.1.2	A level 1 alarm should is issued
7.1.3	If an occlusion is detected while in auto-control, CARA will terminate auto-control
8	The CARA will monitor the Air OK line whenever the pump is plugged in.
8.1	If the Air OK signal remains low for 10 seconds
8.1.1	An appropriate error message should is issued.
8.1.2	A level 1 alarm should is issued
8.1.3	If an air fault is detected while in auto-control, CARA will terminate auto-control
	7 © Luqi, Shing, Puett, et. al.

A Excerpt						
#	Ref	Question	Answer	Affected Rqts		
Q25.	- 5	Should the system alarm if the set point BP is not achieved after a certain time?	2/3/99 – Not in version 1. This may be a feature to consider in version 2.			
Q26.	17	2/2/99 – Should pressing the 'start auto-control' button be logged and have a message?	2/2/99 – Yes, a notation should be made in the file and to the display	Add 17.4, 17.5		
Q27.	39	Does req. 39 apply only under pause mode?	2/2/99 – No, this applies under all modes as written	1.5		
Q28.	24	If cuff pressure is not available will the system proceed with pulse wave only?	2/2/99 – This is still an open issue. In this first version using pulse wave only will not be permitted. Calibrating PW with an A-line may be a possibility though. 7/1/00 - No.			

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