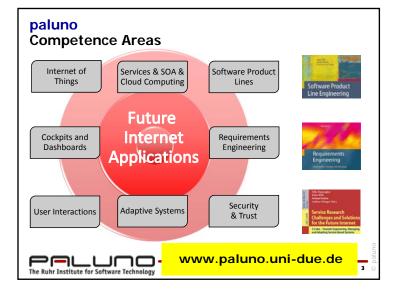
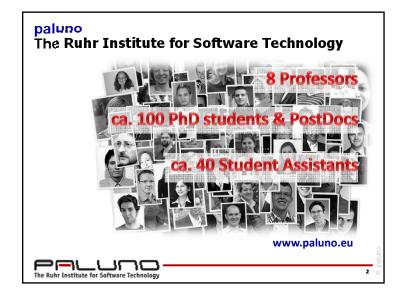
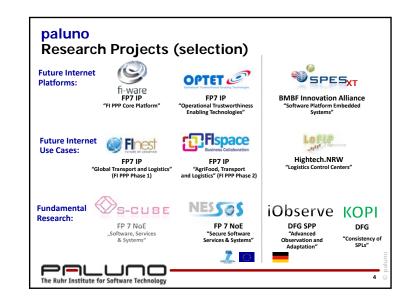
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Internet of Sei Internet of Thi Challenges for Infor Engineering and Ope	ings: mation Systems
Prof. Dr. Klaus Pohl	
RCIS 31.05.2013	

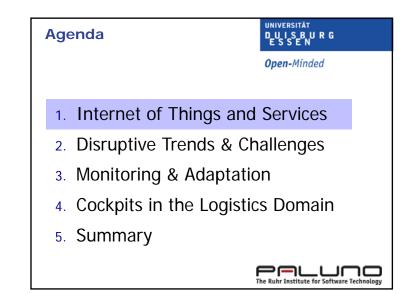


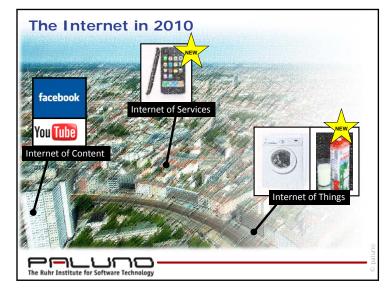




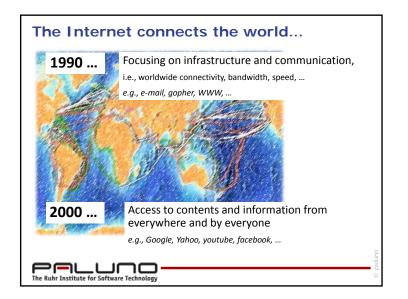


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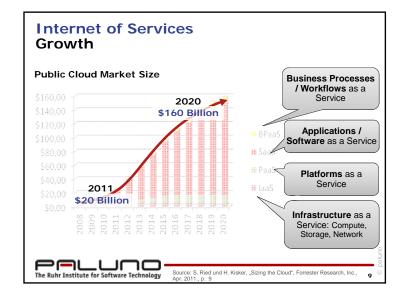


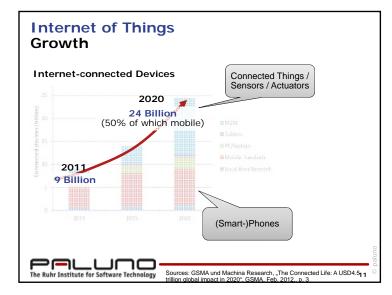




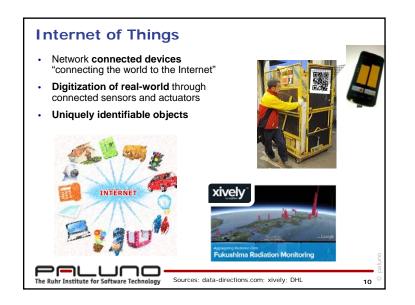


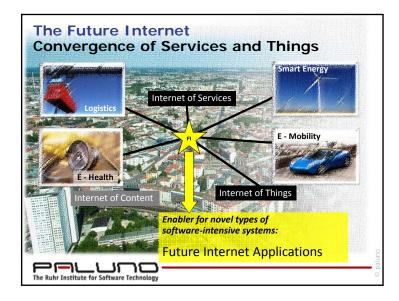
Internet of Services	
Globally accessible software functions (services)	
IT-mediated access to human-provided capabilities	
 Value-add services through seamless composition and integration of service 	tion
Cross-organizational data exchange and alignment of IT syste	ms
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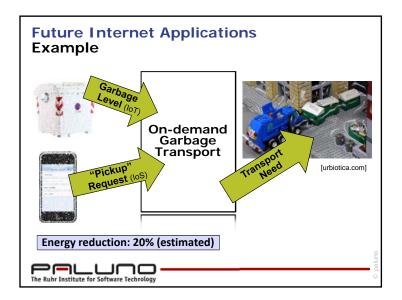


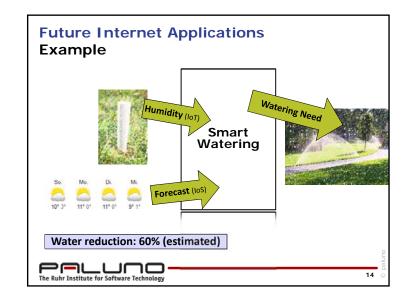












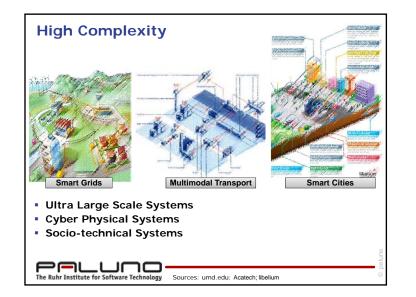




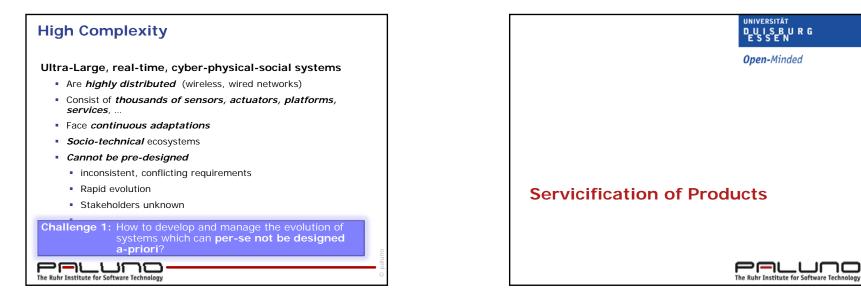


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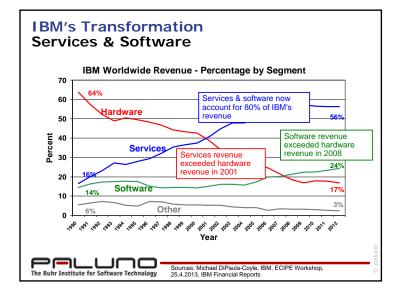
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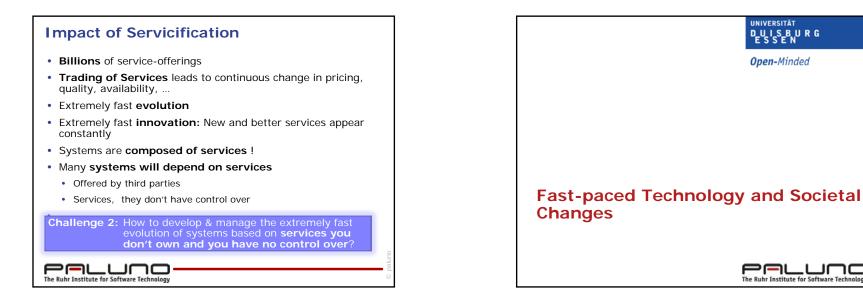


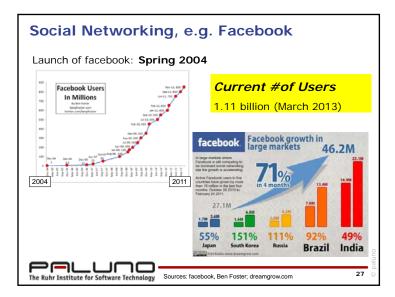




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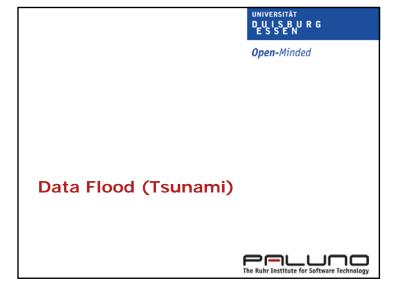




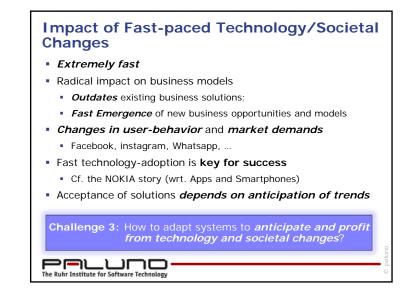


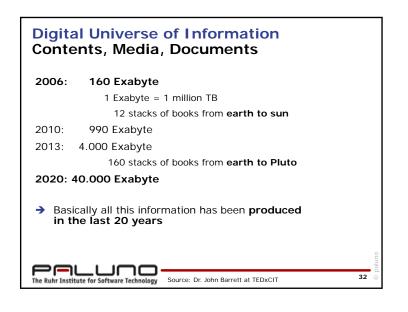




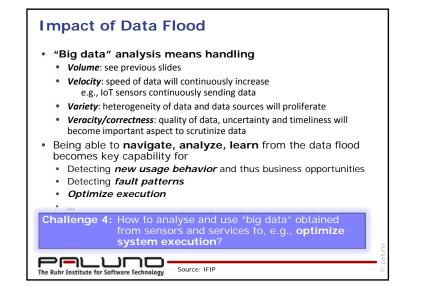








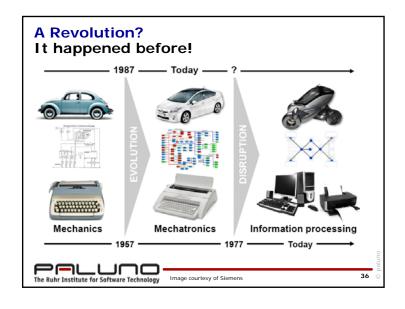
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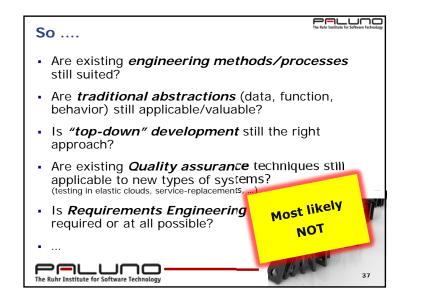
Summar	y: Research Challe	nges
Challenge 1:	Develop and manage evolution systems which cannot be pre-	
Challenge 2:	Manage evolution of systems u services you don't own and you control over	
Challenge 3:	Adapt systems and business to (predicted) societal and tech changes	
Challenge 4:	"Big data" analysis for anticipa business opportunities and for system execution	and the second se
Challenge 5:		A Revolution not "just" a Change
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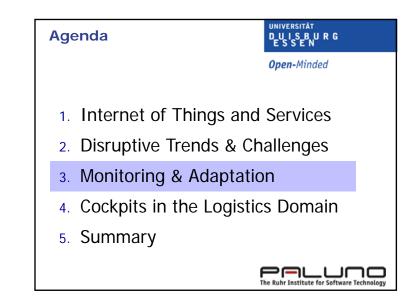




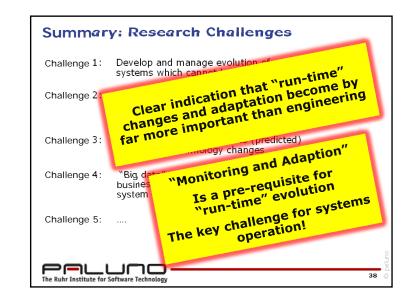


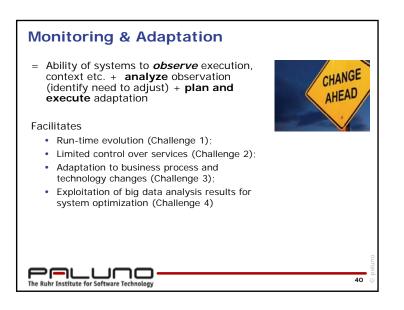
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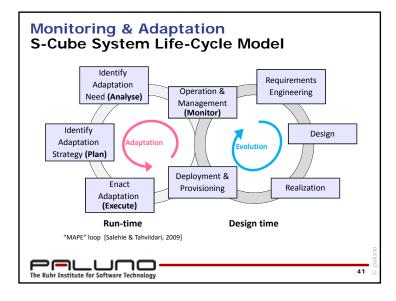






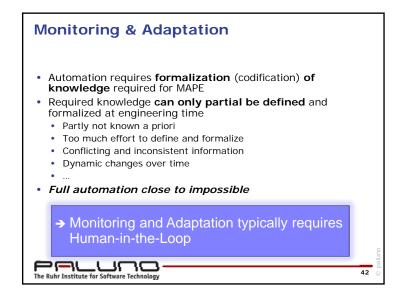


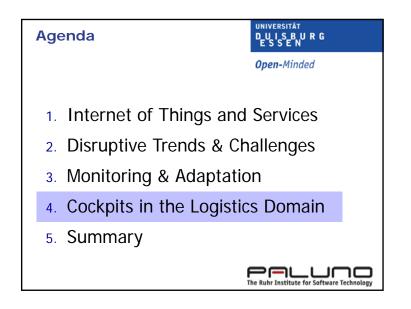


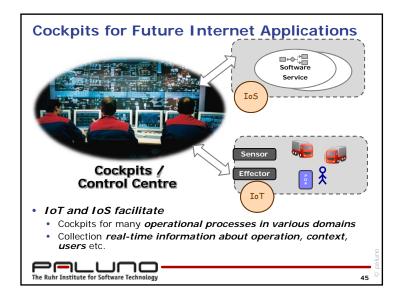


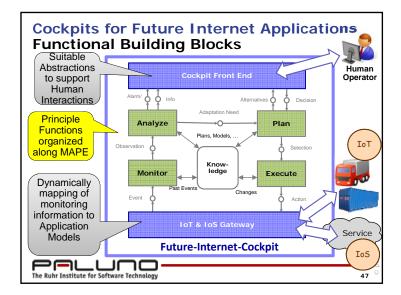




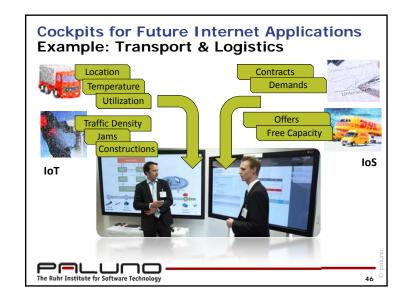


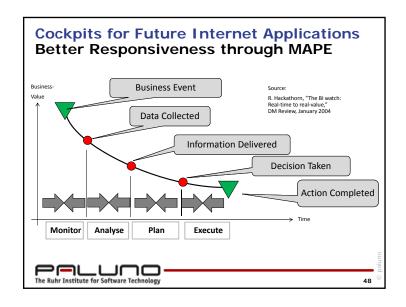






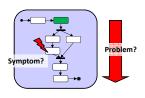






Cockpits for Future Internet Applications Even Higher Responsiveness through Prediction

 Real-time prediction of symptoms such as prediction of *delays*, anticipation of *volume discrepancies*, *quality failures*, ...



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 Proactive Adaptation to mitigate and avoid problems resulting from symptoms, e.g., replanning of transports, rerouting of passengers, ...

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Agenda	UNIVERSITÄT D_U_I_S_B_U_R_G E_S_S_E_N
	Open- Minded
1. Internet of Thin	gs and Services
2. Disruptive Trend	ls & Challenges
3. Monitoring & Ad	laptation
4. Cockpits in the l	ogistics Domain
5. Summary	



