


Tangible Research Infrastructure in the Domain of Embedded Systems


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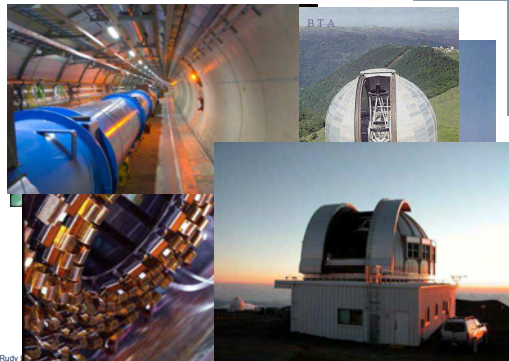
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Particle research and astronomy are typical domains requiring expensive infrastructure



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Also semiconductor scaling requires expensive infrastructure




And what about embedded systems? Examples of embedded systems...



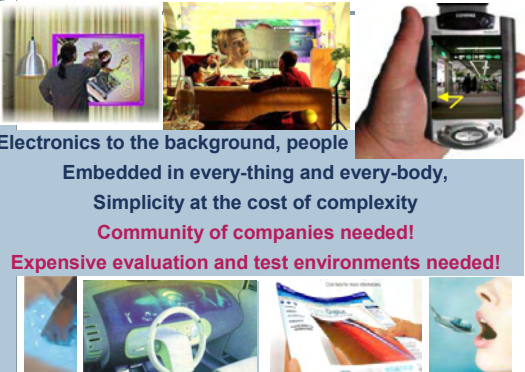

Using embedded systems today is difficult: thick manuals, many remote controls, ...



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Evolution in embedded systems

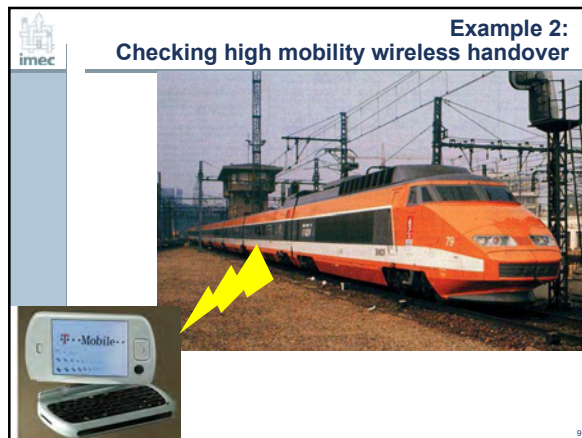
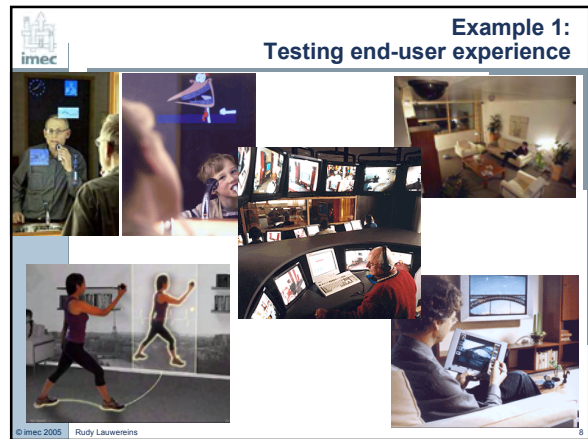
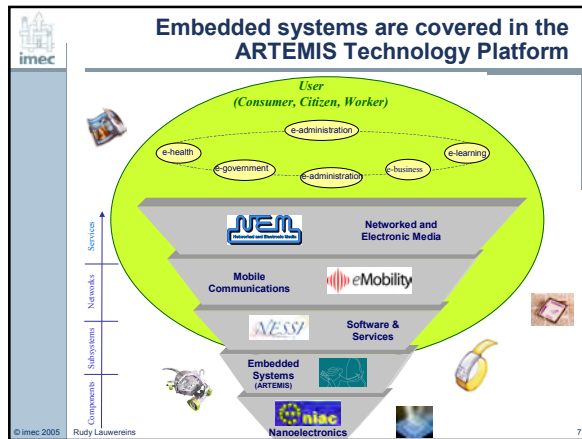


Electronics to the background, people
Embedded in every-thing and every-body,
Simplicity at the cost of complexity
Community of companies needed!
Expensive evaluation and test environments needed!

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Tangible research infrastructure in the domain of embedded systems



- ### Need for research infrastructure on neutral ground
- Freely accessible for European universities
 - Freely accessible for European SMEs
 - Freely accessible for all companies in the value chain
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- ### Study needed to answer questions
- Clarify the need
 - Determine cheapest solution
 - Could infrastructure (used for product development) be rented from industry?
 - How open is existing research infrastructure?
 - Who should maintain the infrastructure?
 - Government
 - Company
 - University
 - Independent research institute
 - What would be the cost?
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