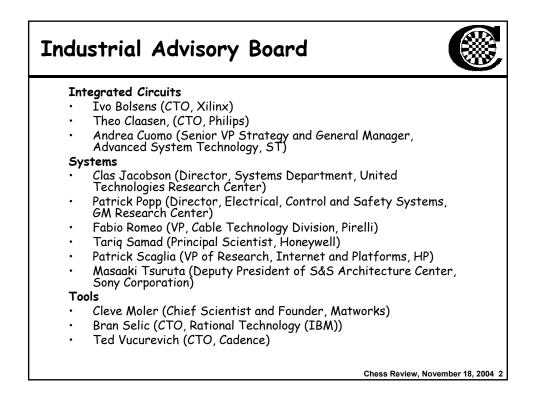
Industrial Outreach

Edited and Presented by Alberto Sangiovanni Vincentelli, Co-PI UC Berkeley

Chess Review November 18, 2004 Berkeley, CA

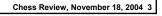


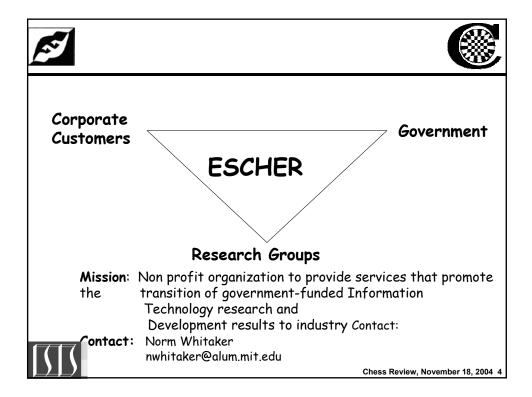


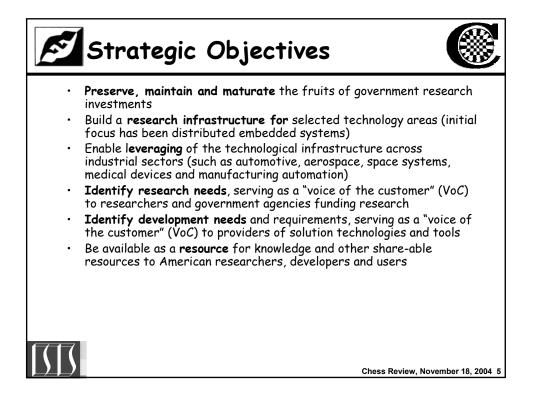




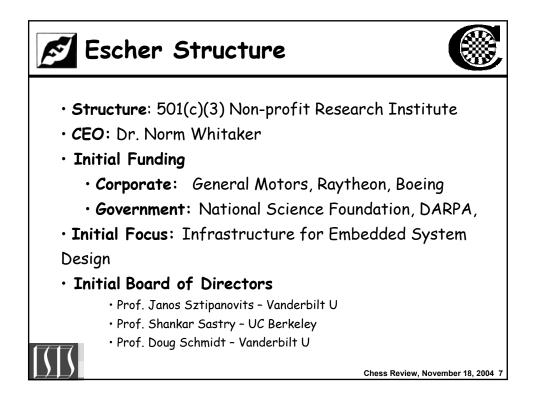
- Escher
- Industrial use of Metropolis
 - Automotive (Daimler-Chrysler, GM, Toyota)
 - Multi-media and Wireless (Infineon, Intel, Sony, ST, Xilinx)

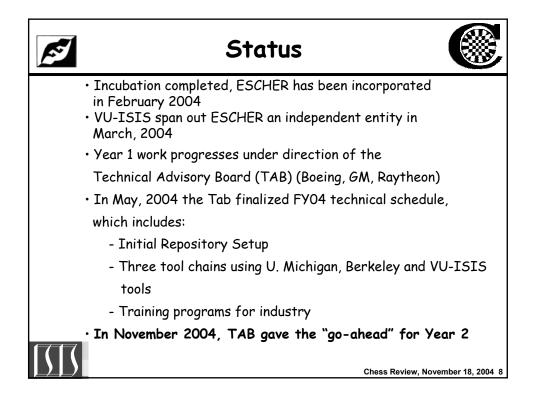


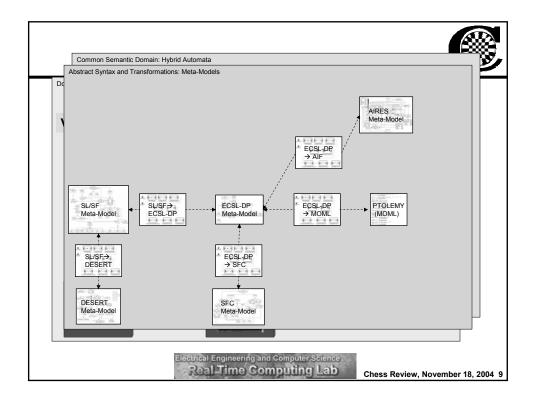


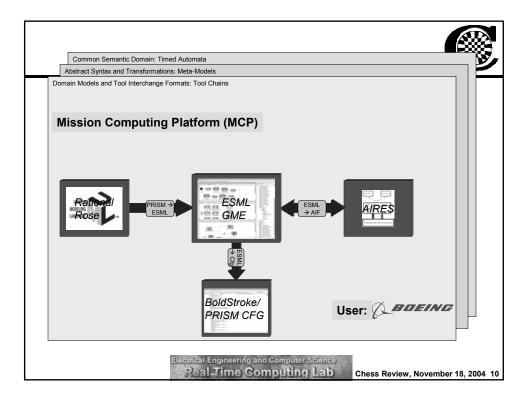


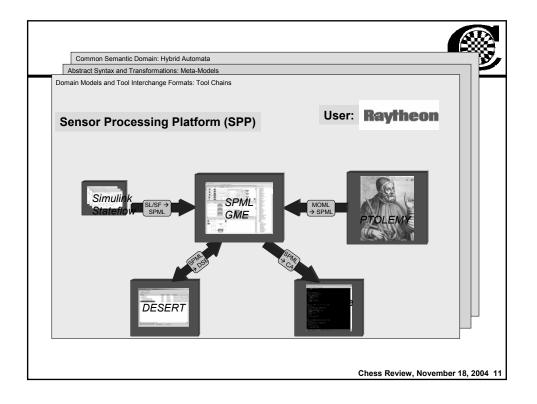
s.	Business Model
Stage 0:	 Road mapping and other consulting services
Stage I:	 Participation in government program to work with specific performers – funded by program
	 Quality standards create goal and possible corporate follow on for performers create positive incentives
	 Software is not lost if not transitioned at end of program, but becomes "GFE" for the next stage Escher helps with license issues Funding credit tag remains with technology for future tracing
Stage II:	 Corporate funding to mature/harden/complete/customize research results
	 Escher coordinates the project - pooled funding and joint performers
	 Feedback to government funding agencies Chess Review, November 18, 2004 6

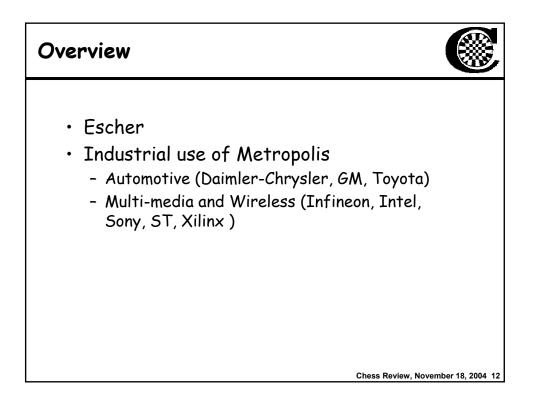












Metropolis: an Environment for System-Level Design



Motivation

- Both design complexity and the need for verification are increasing
- Semantic link between specification and implementation is necessary
- Platform-Based Design
 - Meet-in-the-middle approach
 - Separation of concerns
 - Function vs. architecture
 - Capability vs. performance
 - Computation vs. communication
- Metropolis Framework
 - Extensible framework providing simulation, verification, and synthesis capabilities
 - Easily extract relevant design information and interface to external tools
- Released Sept. 15th, 2004

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