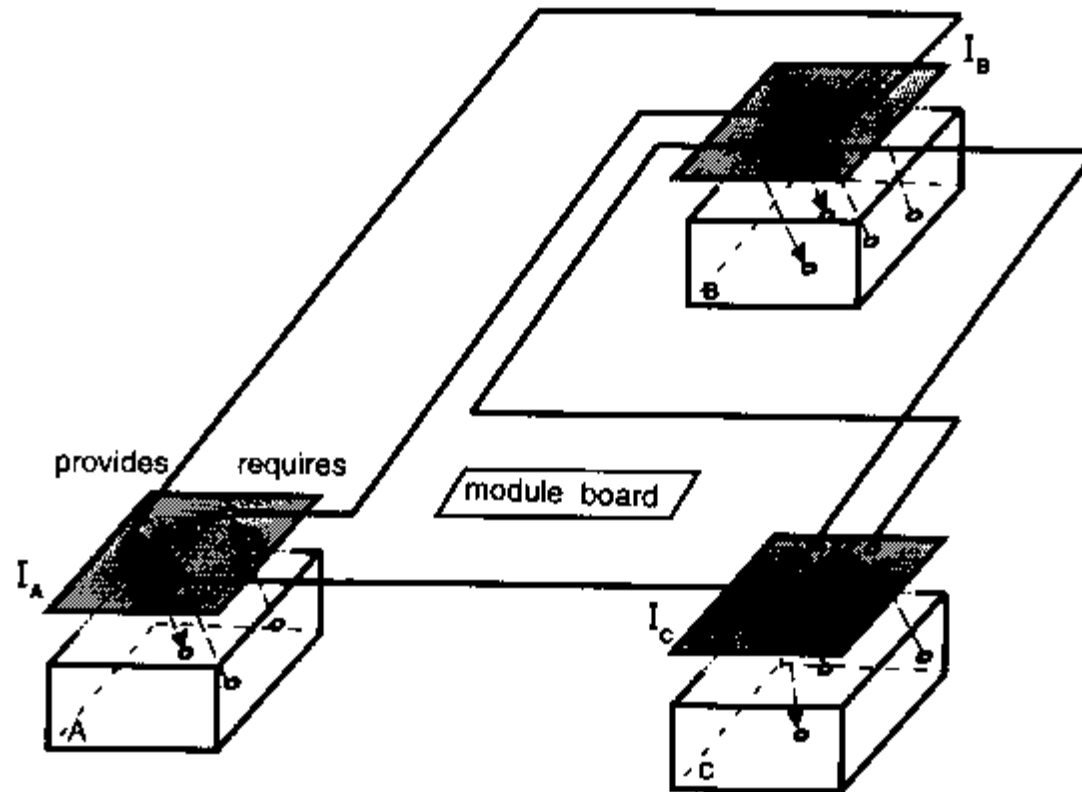


Rapide ADL and Its Application to SGS

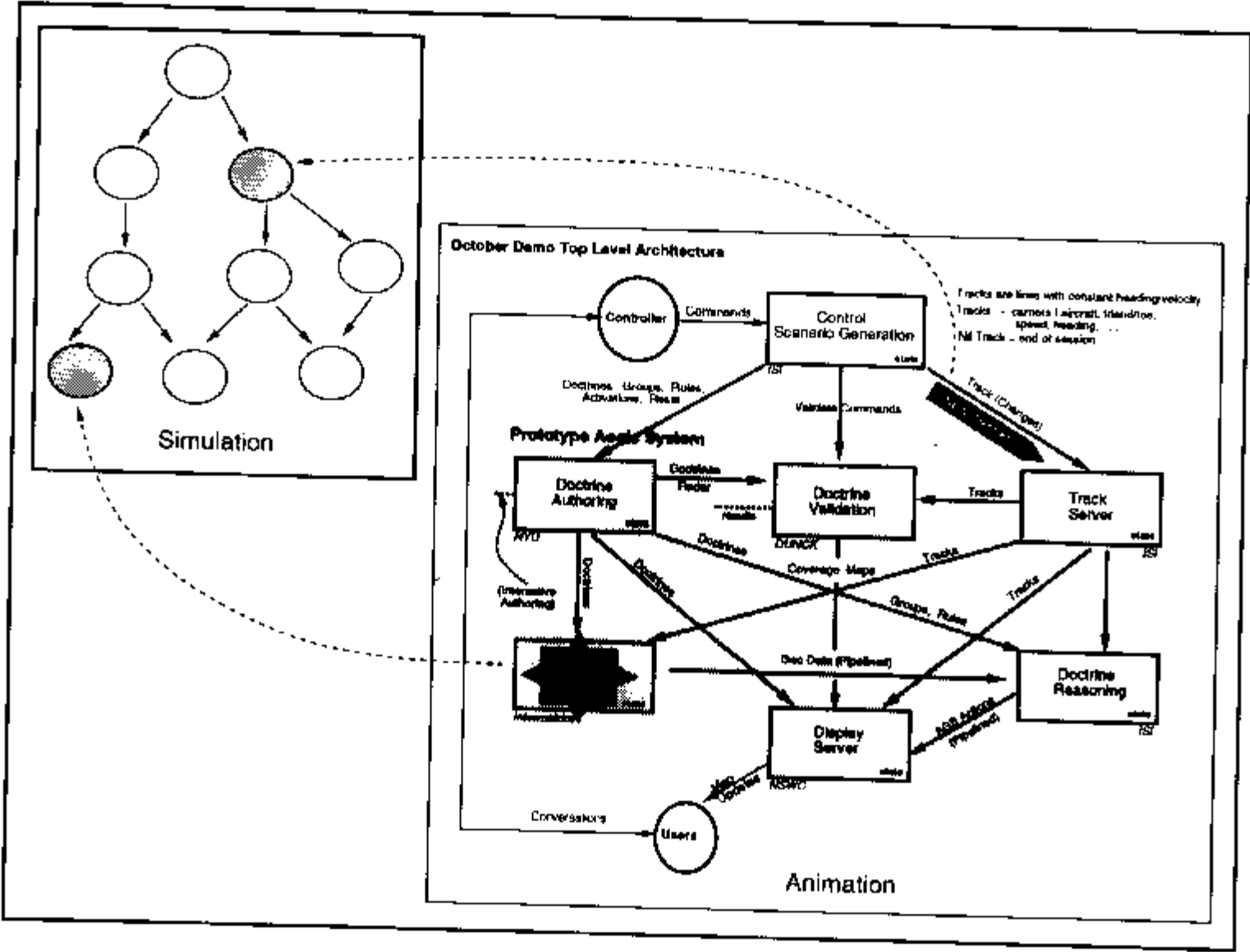
David C. Luckham
Stanford University

Team members and Funding:

- **Present members of the RAPIDE team are:**
David Luckham, Walter Mann, John Kenny, Neel Madhav, James Vera, Sigurd Meldal, Alex Santoro, Francois Guimbretierre, Woosang Park, Wolfgang Polak, Marc Abramowitz, Claudio Garcia, Arvind Sundararajan.
TRW: Frank Belz.
- **Funding:** This project is funded by DARPA under ONR contract N00014-92-J-1928 and AFOSR under Grant AFOSR91-0354.



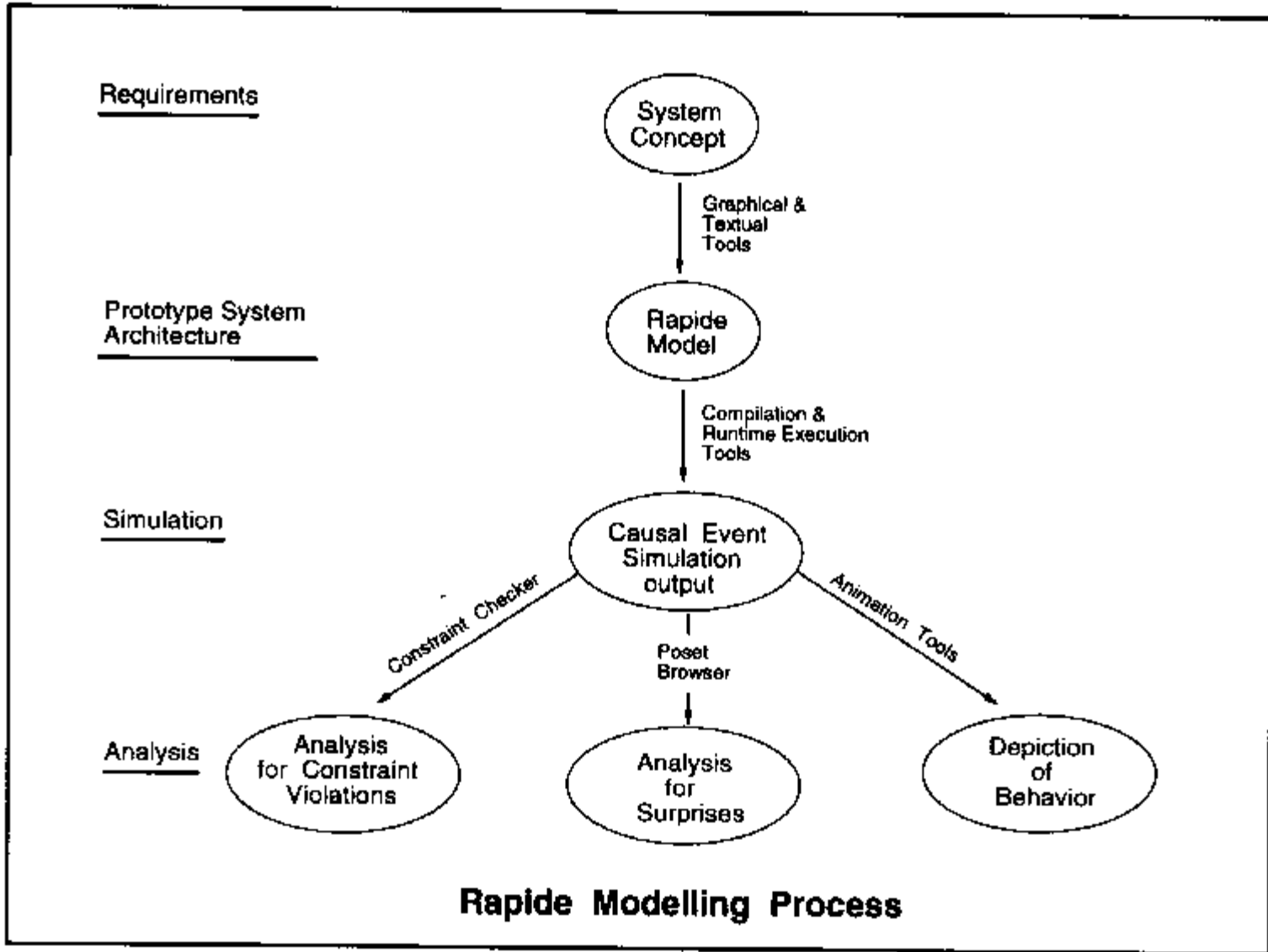
Architected Programs -- Module Boards

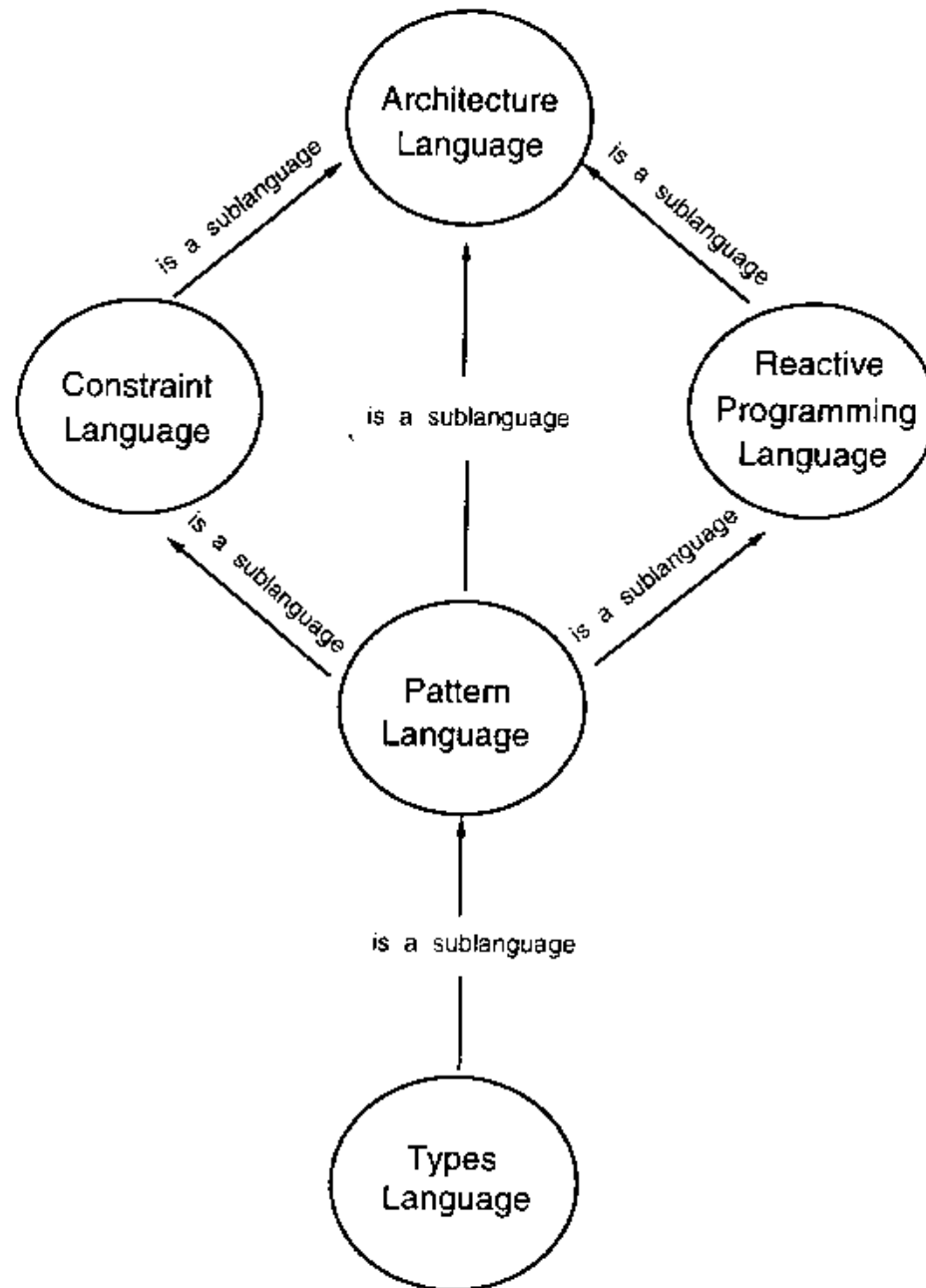


Rapide and Distributed Object Systems:

The RAPIDE project involves two technology thrusts:

1. RAPIDE: An event-based language and toolset for specifying and simulating system architectures.
This project is on-going under ARPA and AFOSR funding in collaboration with TRW for 5 years.
WEB: <http://anna.stanford.edu/rapide/rapide.html>
2. RAPIDE EDCS: A project to transition *causal event* technology to distributed object systems (Abbrev: DSOs).
This is a new project (FY97) under DARPA funding with collaboration from SunSoft.





Rapide-1.0 Status:

- RAPIDE is emerging technology.
(improves upon current event-based simulation technology).
- Toolset is Alpha Status.
 - Can compile and simulate sizeable models like Sparc V9 and X/Open DTP.
 - Tools are fragile and documentation is incomplete.
 - Some very preliminary steps towards commercialization are being taken.
- Funding: ARPA (DSSA, Prototech, Program Composition), and AFOSR
- Web: <http://anna.stanford.edu/rapide/rapide.html>