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David Kan* (dkan@comsol.com), Comsol, Inc., 10850 Wilshire Boulevard, Suite 800, Los Angeles, CA 90024. *State of the Art in Multiphysics Simulation.*

Simulation of physical processes has come a long way since the Manhattan Project. In fact, the capabilities of today's simulation software is keeping up and even exceeding the pace of hardware development. This talk will offer an insider perspective of the current status of multiphysics environments including user interface/experience, physics (i.e., equation) implementation, solver architecture, and results processing. (Received September 26, 2012)