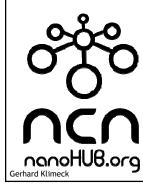


Network for Computational Nanotechnology (NCN)

Purdue, Norfolk State, Northwestern, MIT, Molecular Foundry, UC Berkeley, Univ. of Illinois, UTEP

Interactive Online Curricula and Resources for 125,000 nanoHUB.org Users



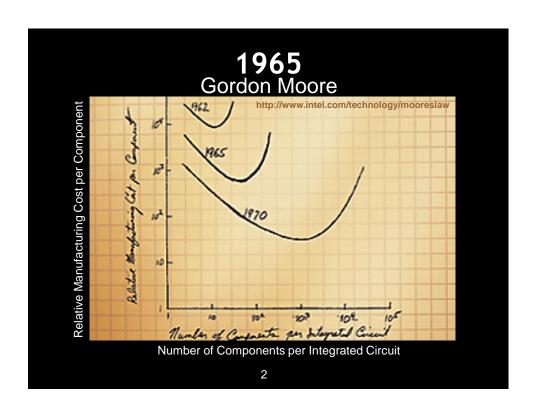
Gerhard Klimeck

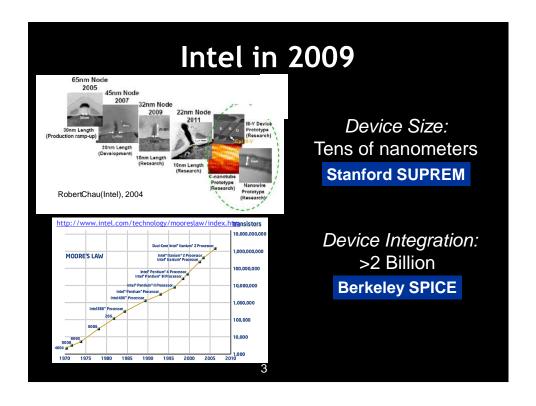
Director

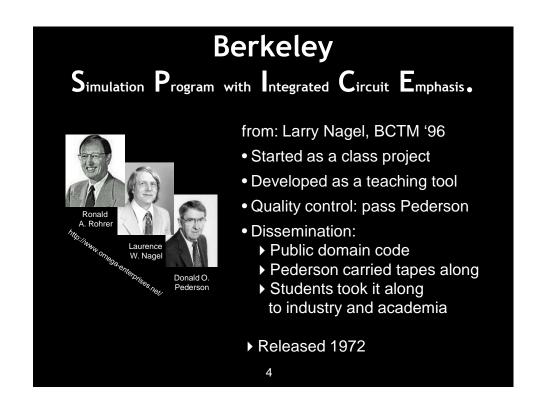
Network for Computational Nanotechnology (NCN)
Electrical and Computer Engineering
gekco@purdue.edu

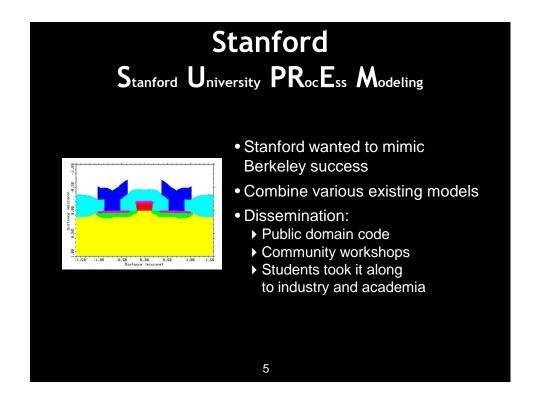
University Materials Council Meeting Northwestern University, June 23, 2010

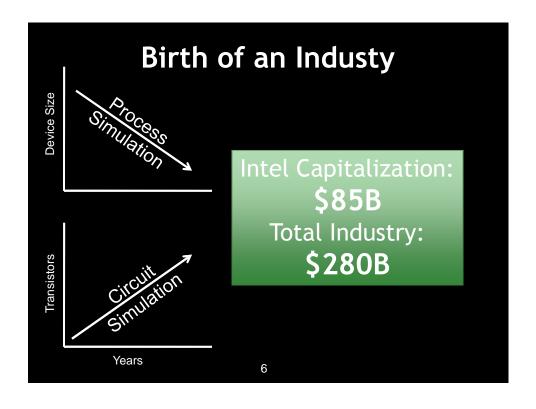


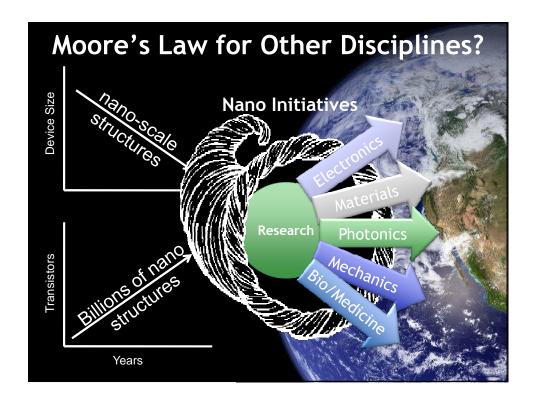






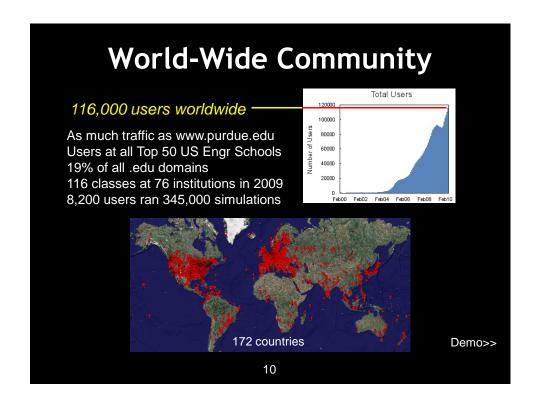


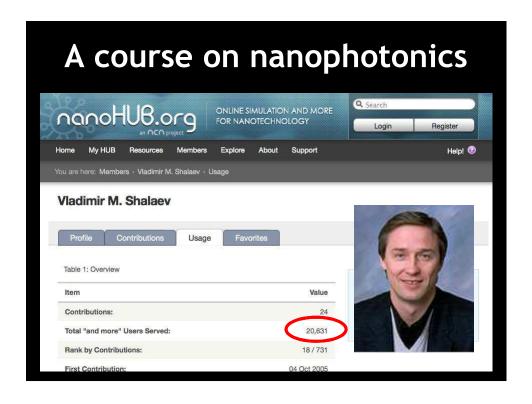


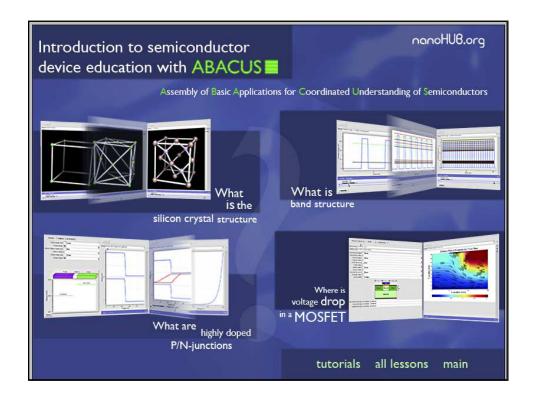


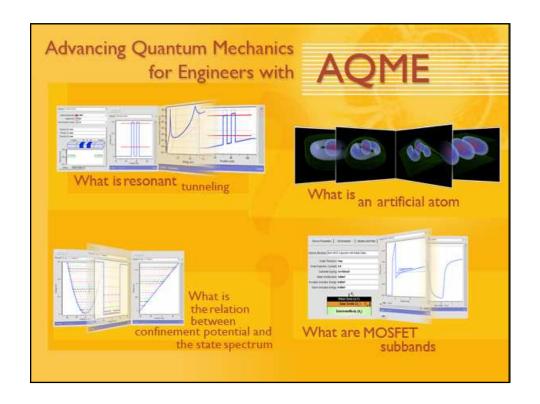


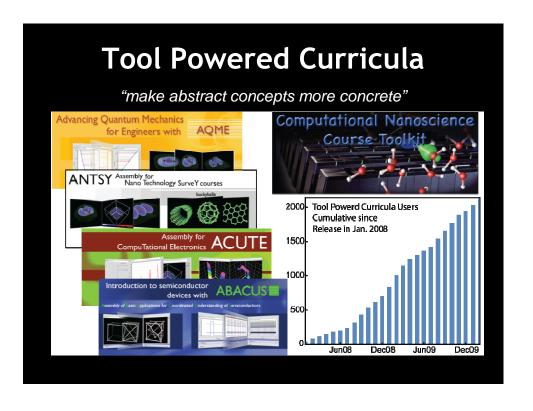








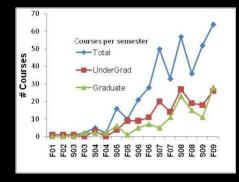


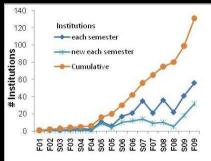


Use in the classroom

In the year 2009:

116 classes; 76 institutions; 23 countries



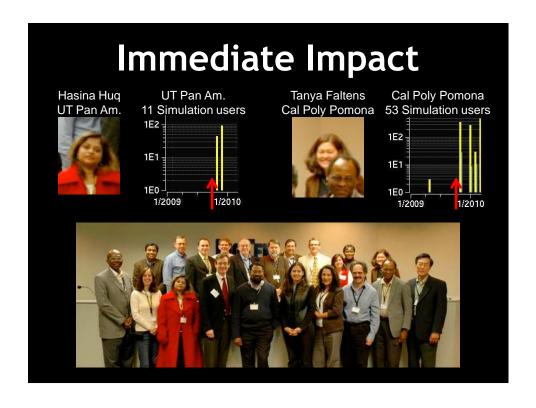


Work with Teachers

Educational workshop:

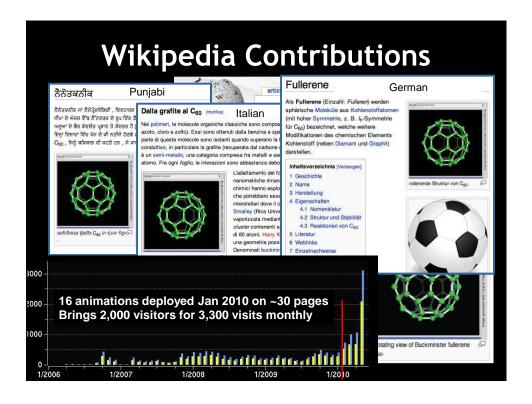
- November 5-6, 2009, Chicago Airport
- 11 faculty
- 11 institutions / 8 primarily serving minorities

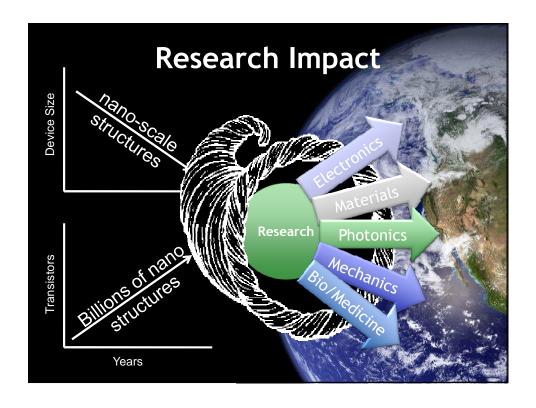


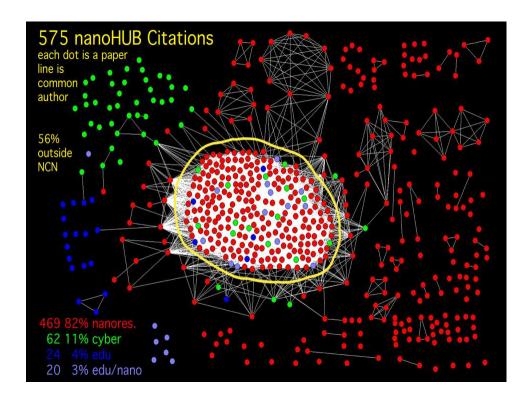


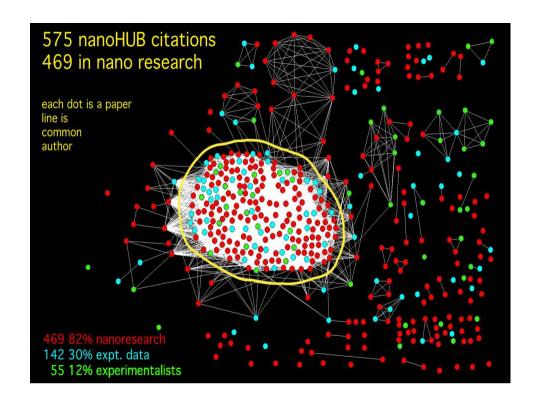


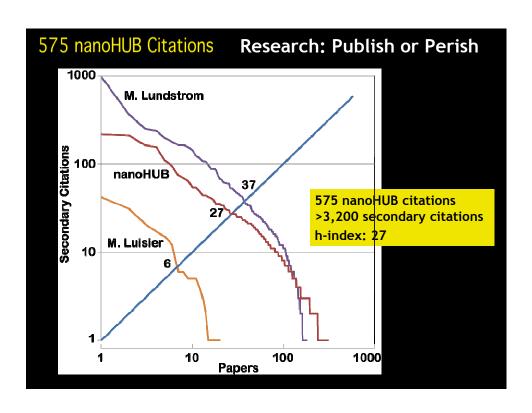












Use by Experimentalists: Schred TCAD simulations using SCHRED [15] or ISE,, were used to support our analysis and compute the inversion carrier profiles in the devices. Effect of channel positioning on the 1/f noise in silicon-on-insulator metal-oxide-semiconductor M von Haartman, M Oestling, Journal of Applied Physics, 2007 - link.aip.org...

