

APPENDIXES

Appendix I

Biographical Information on Hearings Participants

Ray Kurzweil - Founder, Chairman and CEO of Kurzweil Technologies, Inc., a software development firm. A pioneer in artificial intelligence, he is the author of *The Age of Intelligent Machines* (1990) and *The Age of Spiritual Machines* (1999). He received the 1999 National Medal of Technology and in 2002 was inducted into the National Inventors Hall of Fame, for his 1976 invention of the Kurzweil Reading Machine, the first device to transform print into computer-spoken words, enabling blind and visually impaired people to read printed materials. Since 1973, he has founded nine companies.

Vicki Colvin - Executive Director of the Center for Biological and Environmental Nanotechnology and Associate Professor of Chemistry at Rice University. Research underway at the center focuses on nanomaterials' behavior in the environment and the body and considers risk assessment and safety factors.

Langdon Winner - Professor of Political Science in the Department of Science and Technology Studies at Rensselaer Polytechnic Institute in Troy, New York where he serves as co-director of the newly founded Center for Cultural Design. He is a political theorist who focuses on social and political issues that surround modern technological change.

Christine Peterson - Cofounder and President of Foresight Institute. She focuses on making nanotechnology understandable, and on clarifying the difference between near-term commercial advances and the "Next Industrial Revolution" arriving in the next few decades. Foresight Institute has developed guidelines that include assumptions, principles, and some specific recommendations intended to provide a basis for responsible development of molecular nanotechnology.

Source:

(2003) "Hearing Charter: The Societal Implications of Nanotechnology" *U.S. House of Representatives Committee on Science* [Internet] Available from:

<http://www.house.gov/science/hearings/full03/apr09/charter.htm> [Accessed June 22, 2004]

Appendix II

Searches conducted on August 17, 2004.

A search of major news stories in the Lexis Nexus Execultive database from March 1 to August 17 yields 2008 results with the word "nanotechnology" and an average of 20% of stories mention "risk." See other results below.

March 01 – May 01 = 848 stories

With risk: 156 (18%)

With safety: 28 (.03%)

With ecology: 2

May 02 – July 01 = 692

Risk: 151 (22%)

Safety: 44 (.06%)

With ecology: 3

July 2 – August 17 = 468

Risk: 114 (24%)

Safety: 30 (.06%)

Ecology: 2

Total items: 2008

Risk: 421

Average: 21%