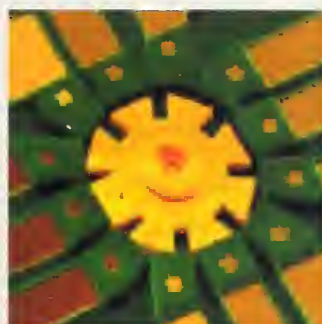




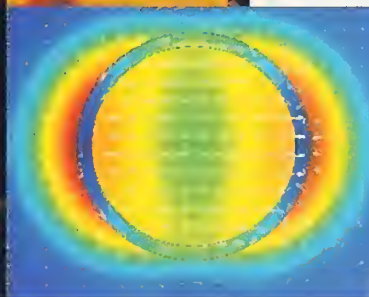
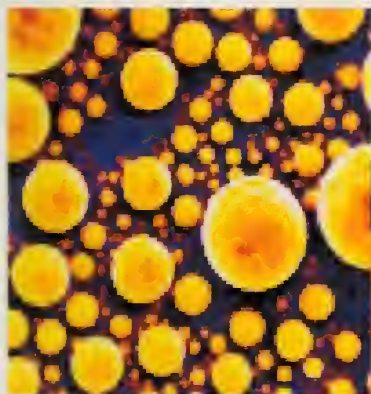
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## INTRODUCTION

This document contains a compendium of more than 1100 journal articles and conference papers written by NIST scientists working in the area of Nanotechnology. This includes: nanoscale metrology, nanotribology, nanomaterials, nano-optics, micro-electro-mechanical systems (MEMS), nanotubes, quantum dots, nanoelectronics, and several others. This list was compiled using Web of Science and INSPEC databases.

The Information Systems Division (ISD) worked with the Nanotechnology Strategic Working Group (SWG) to develop a comprehensive list of search terms and criteria in order to develop this compendium. The SWG members comprise representatives from across NIST's varied and multidisciplinary research staff. In collaboration, ISD and SWG staff members developed a list of more than 90 individual search concepts and key words. This list was compiled using Web of Science and INSPEC databases. The search results from each database were then combined into one central document, using a citation management software.

While this bibliography is comprehensive, it is far from complete. The following limitations and caveats apply:

- The timeframe is limited to research published in 2000-2004 timeframe. Ongoing research projects may still have significant accomplishments that will not be reported until 2005 or beyond.
- The selected search terms do not cover the entirety of nano-related research efforts being conducted at NIST. As a result, there are several publications not included in this compendium.

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