

Route to Nanotechnology Commercialization—Taiwan Model

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Abstract

The Taiwan government has lent its long-term support to promote the R&D capabilities in responding to the country's major socioeconomic needs. The government is also committed to install programs for training of R&D personnel and to implement a better mechanism for integration of resources and personnel cooperation. In order to achieve these objectives, besides the regular R&D programs that carried out or sponsored by various ministries, we have established the "National Science and Technology Programs" that were given the highest priority support by all ministries. Program for Nanoscience and Nanotechnology is currently receiving the largest government sponsored project.

In this presentation, I shall give an overview of the National program on Nanoscience and Nanotechnology as an example to illustrate the major science and technology development in Taiwan. Specifically, I'll present our recent achievements from academic excellence program including the discovery of some novel nanostructures, advanced techniques for biomedical imaging; and our effort to establish the commercialization nanotechnology. Furthermore I shall present our efforts on setting up the nano-mark system to help evaluate and promote the commercial products. Finally, I'll present our education program that promotes the awareness of nanotechnology in general public and students beginning from elementary schools.