

## Public Sector Funding (PSF) - Awarded Projects for Jan 2009 Call

S/N	Title of Project	Principal Investigator	Grantee
1	Development of New and Highly Efficient Synthetic Strategies to Carbocycles and Nitrogen-Containing Heterocycles	A/Prof Chan Wai Hong, Philip	NTU
2	Multiple Exciton Generation in Silicon Nanowires	A/Prof Rusli	NTU
3	Development of novel multi-dimensional channeled solid supports and their applications in enantiopurity analyses using ultra performance liquid chromatography (UPLC)	Prof Ng Siu Choon	NTU
4	All-inorganic colloidal quantum-dot light-emitting diodes	Asst/P Sun Xiaowei	NTU
5	Vision-Aided Active Handheld Instrument for Microsurgery	Asst/P Ang Wei Tech	NTU
6	Flexible Printed Electronics: Analog Signal Processing	A/Prof Joseph Chang	NTU
7	All-Scale Digital Planetarium with Multi-touch Exploration	Asst/P Fu Chi Wing	NTU
8	Controlled Directional Growth of Nanostructures on Wafer-Scale Nanopatterns	Asst/P Zhang Hua	NTU
9	Rational Design of Carbon-Nanotube Interconnects	Asst/P Su Haibin	NTU
10	Integration of Si photonic crystals and MEMS actuator for next generation active and tunable nanophotonics in filter and modulator applications	Asst/P Danner Aaron	NUS
11	Development of Hybrid Desalination Processes using Cold Energy from LNG Re-gasification	Prof Neal Chung	NUS
12	Video Text Recognition Research	Prof Tan Chew Lim	NUS
13	Development of novel methods of fabricating metallic nano injection molds for lab on chip biomedical sample preparation and DNA analysis applications	Asst/P Van Kan Jeroen Anton	NUS
14	The applications of digital signal processing in 100-Gbit/s coherent optical communication systems	Asst/P Yu Changyuan	NUS
15	Intelligent Control for Contact-Induced Vibration in Hard Disk Drive	Prof Xu Jian Xin	NUS
16	Development of metal oxide based affinity membranes for decontamination of arsenic	A/Prof Paul Chen Jiaping	NUS
17	Nanoelectronics based on Advanced Theory of Gauge Symmetry and Relativistic Transport	A/Prof Jalil Mansoor Bin Abdul	NUS