

**NATIONAL INSTITUTE OF PHYSICS**  
**2015 Research Grants**

	Faculty	Project Title	Grant
1	Percival F. Almoró	Digital Shearography with Diffuse Illumination	P105,600.00
2	Ronald S. Banzon	Quantum Computation Simulation of an Ising Nuclear Spin Chain Computer of Various Sizes	P 92,400.00
3	Jose Perico H. Esguerra	Moments of the Steady State Wealth Distribution Associated with a Boltzmann Type Kinetic Model of Gambling	P105,600.00
4	Elmer S. Estacio	Enhanced Terahertz Emission of Surface Modified Semi-Insulating Gallium Arsenide	P105,600.00
5	Eric A. Galapon	Weak Quantum Measurement of the Kinetic and Potential Energies of the Harmonic Oscillator	P105,600.00
6	Wilson O. Garcia	Femtosecond Pulsed Laser Deposition of Novel Materials	P105,600.00
7	Nathaniel P. Hermosa II	Coherent Beam Superposition by Incoherent Holograms	P105,600.00
8	May T. Lim	Estimating Vehicular Traffic Flow	P105,600.00
9	Francis Norman C. Paraan	Parallelized Calculation of Electronic Structure for Materials Simulation	P 79,200.00
10	Arnel A. Salvador	Molecular Beam Epitaxial Growth of GaAs on Si	P105,600.00
11	Armando S. Somintac	Growth of Copper Oxide Nanowires via Spray Pyrolysis	P105,600.00
12	Cristine DLR. Villagonzalo	Modeling of Spin Accumulation and Extraction in Ferromagnetic Tunnel Heterostructures	P105,600.00