

**NATIONAL INSTITUTE OF PHYSICS
2014 Research Grants**

	Faculty	Project Title	Grant
1	Magpantay, Jose	Solving the Classical Liouville Equation	P48,000.00
2	Ramos, Henry	Plasma Treatment of Chitosan Films Using a Plasma-Enhanced Chemical Vapor Deposition Device	P48,000.00
3	Saloma, Caesar	Modified Inelastic Bouncing Ball Model for Describing the Dynamics of Granular Materials in Vibrated Container	P48,000.00
4	Salvador, Arnel	Investigation of Terahertz Emission from GaAs/AlGaAs Multiple Quantum Well Grown on On and Off-Axis Substrates	P48,000.00
5	Sarmago, Roland	Magnetic Susceptibility Doped BSCCO High TC Superconductors	P48,000.00
6	Soriano, Maricor	Visualization of Wave-Assisted Dispersion and Sediment Transport	P48,000.00
7	Almoro, Percival	Wavefront Reconstruction Through Scattering Medium	P42,000.00
8	Bo-ot, Luis Maria	Temperature Calculations for an Atmospheric Pressure Plasma Jet by Optical Emission Spectroscopy	P42,000.00
9	Esguerra, Jose Perico	Continuous-Time History-Dependent Random Walks	P42,000.00
10	Estacio, Elmer	Ultrafast Carrier Lifetime Measurements in Low Temperature-Grown GaAs Using Transient Reflectivity and THz-Time Domain Spectroscopy	P42,000.00
11	Galapon, Eric	Joint Weak Quantum Measurement of the Harmonic Oscillator Kinetic and Potential Energies	P42,000.00
12	Garcia, Wilson	Pulsed Laser Deposition of Novel Materials	P42,000.00
13	Hermosa, Nathaniel II	Birth of Optical Vortices from a Non Integer and Non Constant Phase	P24,500.00
14	Lim, May	Modeling Traffic Congestion	P42,000.00
15	Somintac, Armando	Synthesis of Copper Oxide Nanowires via Direct Thermal Oxidation of Copper Films	P42,000.00
16	Tapang, Giovanni	Zero Order Diffraction Suppression in a Phase-Only Spatial Light Modulator via the GS Algorithm	P42,000.00
17	Villagonzalo, Cristine	Magnetoconductance Studies in a Curved Quantum Wire with Spin-Orbit Coupling Effects	P42,000.00
18	Batac, Rene	Spatiotemporal Recurrences in Self-Organizing Avalanche System	P36,000.00
19	Paraan, Francis Norman	High Performance Parallel Implementation of Molecular Dynamics and Monte Carlo Computation	P36,000.00