



1st Philippine
Geomatics
Symposium

BEST PAPER
PhilGEOS 2012

NILO B. OPONDA

College of Science and Mathematics,
University of the Philippines Mindanao

**“GIS-assisted Soil Water Dynamics Model for
Predicting Spatial and Temporal Soil Moisture
Variations on a Catchment Scale”**



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ANALYN L. CODILAN & NORIHIKO SHIRAISHI

Laboratory of Forest Management, Department of Forest Science,
Graduate School of Agricultural and Live Science, University of Tokyo

**“GIS-aided Mapping of Above-ground Biomass
in a Managed Forest in the Philippines”**



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BENG P. UMALI

Environmental Soils, Geo-information and Remote
Sensing Laboratory, Cavite State University

**“Enhancing Topographically-derived High
Resolution Digital Elevation Model of a South
Australian Sloping Landscape”**