**NEW TECHNOLOGY DEVELOPMENT FOR PHOTOGRAMMETRY**

*Tee-Ann Teo*

Associate Professor, Department of Civil Engineering, National Chiao Tung University, Taiwan.

Tel: + 886-3-5712121#54929; Fax: +886-3-5716257; E-mail: tateo@mail.nctu.edu.tw

**Abstract:** Photogrammetry is a technology to obtain reliable information through recording, measuring and interpreting. This technology has been widely used in mapping and different applications. Nowadays, the development of electronics and computer technologies has led the new advances in photogrammetry in the areas of sensor, method and application. The standard process of photogrametry can be simplified into several modules such as data acquisition, orientation modeling, surface modeling, orthorectification and mapping. The developments of each processing modules will be presented in this workshop. The presentation will briefly introduce the developments of photogrammetry, including new sensor technology in data acquisition, direct georeferencing in orientation modeling, development of computer vision in image understanding, parallel computing and GPU in orthorectification, and 3D mapping.

**KEY WORDS:** Photogrammetry, Development.