

# SMEDG PRESENTATION FOR 19<sup>TH</sup> APRIL

## ***Proposed title: Satellite Imagery – A Tool for Mineral Exploration***

### **Topics to discuss:**

- Introduction to satellite imagery: delivered by Keiko
  - Resolutions – Spatial, Spectral, Temporal & Radiometric
  - Which satellite is best for me? View examples of the different satellites
  - What if my area has no archive imagery? Which satellites can be programmed for new capture?
  - What if my area of interest is constantly covered by cloud? – a brief intro to radar data
  
- Image Processing: delivered by Sylvia
  - From Raw data to end product
  - Orthorectification
  - How to collect or supply GCP's
  - DEM's
  - Accuracy of Data
  - Software used to process data
  
- Case Study: The use of ALOS Imagery in Mineral Exploration, Pakistan. Either KH or SM to deliver
  
- Question time: to be fielded by Sylvia

### BIOS:

#### **- Sylvia Michael – Director**

Sylvia is a founding Director of GEOIMAGE & has degrees in Geology & Mathematics. She has worked in the remote sensing & image processing field since 1980 and has extensive experience in airborne geophysical data & satellite imagery processing, client liaison & sales.

#### **- Keiko Hamam – Business Development Consultant**

Keiko was a founding staff member of SPOT Imaging Services in Sydney which first introduced the SPOT satellites to Australia. Having been away from the industry for a few years, she has recently returned and opened GEOIMAGE's Sydney Office.