

## Automatic extraction of craters in the moon surface

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SELENE (SELEnological and ENgineering Explorer) loaded with MI (multi-band imager) and SP (Spectral Profiler), will be launched in 2005. This study is envisioned for developing the automated technique for detailed geological mapping of lunar surface using the geographical and spectral features processed by the wide width data acquired by MI, and the linear data acquired by SP.

This paper shows the result of extracting craters, the typical geographical feature of lunar, using the Clementine images.