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**CONTROL ID:** 821732  
**TITLE:** Cliff Recession and Progressive Development of Talus Deposits in Xiangshan, Sishou Hills, Taipei  
**PRESENTATION TYPE:** Poster Requested  
**SECTION:** Tectonophysics (T)  
**SESSION:** T09. Potential Geohazards of Metropolitan Areas: Methodology, Observations and Mitigation Prospects

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**ABSTRACT BODY:** Talus deposits have been progressively building up as cliffs gradually retreated in Xiangshan, Sishou Hills. This paper presents results of a case study on cliff recession types, trends and progressive development of talus deposits in Xiangshan, Sishou Hills, Taipei. Based on geomorphic analysis, physical model, and numerical analysis, the cliff retreat rates for 1904 to 2005 are tabulated and the geomorphologic changes of talus deposits were scrutinized. The control factors on mechanisms of cliff recession are identified. A scenario of cliff recession and progressive development of talus deposits in Xiangshan from 1904 to 2005 are also proposed.

Keywords: Cliff recession, Talus deposits, Physical model, Xiangshan

**KEYWORDS:** [1847] HYDROLOGY / Modeling.
