**Lb-003** Room: C409 Time: June 10 10:00-10:15

## Characteristics of paramagnetic defects in quartz, ESR dating and its applications

# Shin Toyoda [1]

[1] Applied Phys., Okayama Univ. Sci.

http://www.dap.ous.ac.jp/~toyoda/abs99-1.html

Effort has been devoted to establish ESR dating of quartz, universary distributed on the Earth's surface. Dating of tephra, of fault movement, and of sediment have been tried using this mineral, having ESR signals stable for geologic time scale. This presentation will summarize the characteristics of the paramagnetic defects observed in natural quartz, and present status and issues of the dating method using quartz.