

G126-014

Room: 301A

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Core Orientation and Reduction of Coring/Drilling Induced Magnetization

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It is very important for the future development of research aimed at or utilizing full spectra of paleomagnetic signatures that the cores recovered by Integrated Ocean Drilling Program (IODP) be properly oriented with enough accuracy. The core orientation is a key to the other properties such as anisotropic physical properties and geological structures. It is also important that the original magnetization of sediments or rocks in natural state is recovered with negligible amount of contamination of coring or drilling induced magnetization. These two topics are interrelated with each other. The presentation focuses on these topics including possible introduction of ring laser gyro and SQUID scanner to the IODP platforms in the future.