



学术报告

Introduction to Time Series Analysis for Stratigraphy and Paleontology:

Your data is a true time series?

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报告时间: 2026年7月6日 9:30

地点: 图书馆三楼报告厅

主办: 全国重点实验室、微体室



报告人及报告简介:

Professor Assistant Professor Dr. SUZUKI Noritoshi has been studied radiolarians and the geology of Japan since the early 1990s. Studies on radiolarians extends from the taxonomy to the integrated classification scheme with fossils and molecular phylogeny. The target ages is so long, covering from the Cambrian, Silurian to Devonian, Carboniferous to Permian, all the Mesozoic, Paleocene through the Quaternary. Regional geological studies were carried out in accretionary complexes not only Japan but also the Sikhote-Alin in Russia and New Zealand. Recent ten years the main focus moves to Statistic Paleontology. This new field was mainly taught for ten Chinese students and researches of 中国科学院南京地质古生物研究所,中国地质大学(武汉) and 中国科学院南海海洋研究所.

The presentation this time will regards on Statistic Time Series Analysis (时间序列分析) for Paleontology, as a part of 统计古生物学. One of the most effective methods is called "Statistic Time Series Analysis" (STSA). The STSA has undergone extensive development within the fields of financial economics. Unpredictive changes over time and uncertainty regarding the cause of changes are quite similar to stratigraphic data. The STSA demonstrates a clear advantage in circumstances that necessitate mathematical objective analysis for establishing a link between cause and effect, and evaluating the degree of effectiveness.

