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## Secondary Ion Mass Spectrometry SIMS IV

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Proceedings of the Fourth International Conference, Osaka, Japan, November 13-19, 1983 | This volume contains full proceedings of the Fourth International Conference on Secondary Ion Mass Spectrometry (SIMS-IV), held in the Minoo-Kanko Hotel, Osaka, Japan, from November 13th to 19th, 1983. Coordinated by a local organizing committee under the auspices of the international organizing committee, it followed earlier conferences held in Münster (1977), Stanford (1979), and Budapest (1981). The conference was attended by about 250 participants from 18 countries, and 130 papers including 24 invited ones were presented. Reflecting the rapidly expanding activities in the SIMS field, informative papers were presented containing up-to-date information on SIMS and various related fields. The proceedings focussed upon six main issues: (1) Fundamentals of sputtering and secondary ion formation. (2) Recent progress in instrumentation, including submicron SIMS and image processing. (3) SIMS combined with other surface analysis techniques. (4) Outstanding SIMS-related analytical methods such as laser-microprobe SIMS, sputtered neutral mass spectrometry, mass spectrometry of sputtered neutrals by multi-photon resonance ionization, and accelerator-based SIMS. (5) Organic SIMS and FAB which has recently become a rapidly expanding technique in pharmacy, biotechnology, etc. (6) Appl...



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