**Introduction of New Concept In-Touch and Bench-Top SEM**

Bench-Top, Mobile and Small-Footprint SEMs from JEOL

The wide success of SEM as a general laboratory tool has seen its use over the last 10 years not only increase greatly but move into areas previously the preserve of light microscopy or even into applications which have not traditionally made use of any microscopy. For example, SEM is now much more widely used in routine industrial quality control applications. Key reasons for this are two aspects of SEM which long-time users of SEM take for granted and often forget about - in comparison with light microscopy, SEM provides a very large depth of field (up to several mm compared with 10s of μm) and an enormous zoom range (4 orders of magnitude and more compared with 2 orders at best). This change has resulted in the disappearance of dedicated SEM laboratories and, more significantly, dedicated SEM operators. SEMs must now fit easily into a general laboratory and be accessible to everybody.

JEOL recognised these changes and has developed a number of instruments specifically for this requirement; instruments which are compact, easily moved and very easy to operate without loss of performance. The latest JEOL models will be presented; the NeoScope II, a compact bench-top SEM and the InTouchScope, a small-footprint, mobile, research-grade SEM. Both models incorporate novel multi-touch screen control of the type many people are already familiar with from widely available consumer electronics.