

TITLE OF ABSTRACT SUBMITTED TO IMST-EPCOS 2006

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Text of the communication... In the new era of 'ambient intelligence' the memory is at the heart of the new and complex electronic systems that pervade our everyday life. Moore's Law is driving the development of new technologies and international R&D at an un-relenting pace. Europe and Japan are playing a major role in this technological progress, spurred on by the development of new materials with remarkable magnetic, electrical or physical properties. The chalcogenide material family, discovered in the 1960s by S. R. Ovshinsky and fine tuned for optical storage applications by Matsushita peoples is a classic example of such materials.

Overseas speakers will be invited to give a worldwide view on the last development. Framework VI has started and this workshop is the ideal place for fruitful discussion. The proceedings will be published in a special edition.

Figures may be included.