ASIGURAREA CALITĂȚII – QUALITY ASSURANCE =

Iulie – Septembrie 2013 Anul XIX Numărul 75

Superconductivity Applications and Reliability

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Abstract

After a short introduction, the most important problematical issues are presented. The paper – intended to inform the non-specialists and decision makers – explores advanced superconductivity solutions for next generation micro- and nano-electronics in key applications areas.

Keywords: superconductivity, properties, challenges, reliability, critical temperature, applications, single flux quantum (SFQ).