The premier conference dedicated to current trends in Silicon-On-Insulator technology will be held in Foster City, California, U.S.A., at the Crowne Plaza Hotel within Silicon Valley’s high technology region. It will run October 6–8, 2009, preceded by a one-day tutorial Short Course on Monday, October 5th and will also feature a half-day educational class focusing on the fundamentals of SOI technology.

The conference was established with the support of IEEE to provide a forum for open discussion in all areas of silicon-on-insulator technologies and their applications. Ever increasing demand and advances in this technology make it essential to meet to discuss new gains and accomplishments, as well as to consider the new developments introduced in original papers presented at the conference.

Short Course
Once again, the popular One-Day Tutorial Short Course will be offered preceding the 2009 SOI International Conference. Tutorial Short Course instructors have many years of experience in the field.

Analyzing the survey results by two different statistical methods gave consistent priorities for items ranked in each of five nano-electrotechnology categories: 1) Properties, 2) Products, 3) Cross-cutting Technologies, 4) General Discipline Areas, and 5) Stages of the Linear Economic Model. The global consensus suggests that standards and measurements having the highest priorities are those for electronic and electrical properties of sensors and fabrication tools that support performance assessments of nano-technology enabled sub-assemblies used in energy, medical, and computer products.

Nano-electrotechnologies are expected to be one of the key technologies of the 21st century. They have enormous potential for the development of new products with exceptional performance. Recent reports indicate that the materials and equipment market for nanoelectronics was $1.8 billion in 2005 and is expected to grow to over $4 billion in 2010. The continued rapid growth of nano-electrotechnologies-based industries has required increased international standardization activities to support equitable and efficient business models. Effective international standards will permit the use of nano-enabled products in any nation.

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