

The convergence of technologies, generates convergence in the regulations

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The convergence of nanotechnologies generates synergies among different technologies to say, nanotechnologies, neurotechnology, computers and biotechnology, these technologies must converge. Studying the global trend in this respect as imported for manufacturers medical devices worldwide. The convergences of technologies are consequences of atomic precision, where the boundary between the biotic and abiotic component blur the interaction. The interaction between nanotechnologies, biotechnology and informatics and communications (NBI) generates a synergy of unusual consequences of all is known that the industry of semiconductors is the one of greater precision that is atomic, the new medical devices that will be applied which will dose physical principles that will be governed under the laws of quantum mechanics but there are two problems that have not been solved even though they are one the non-existence of quantum biology and the transition from quantum to classical mechanics. On the other hand, the redefinition of the international system of units based on the universal constants that will be implemented by 2019 has a deficiency that is the second that Rede firms implies redefinition of the meter the chain of traceability proposed for nanometrology presents a serious difficulty when putting the microcopy of atomic force wing of effect tunnel situation that is changing the verification of the Wiedemann-Franz law at atomic level yields a result where the phononic component is taken into account, a result that launches STM to the cusp of the chain of traceability above inclusive of interferometry.

Biography

Guillermo Valdes Mesa has pursued his Graduation in Physics from University of Havana. and is working for the Centro de Biomateriales (Microelectronics Industry) as a Head of final control investigations. He has wide knowledge in the field of Biomaterials.