Special Issue

Recent Advances in Molecular/Nano Electronics

Message from the Guest Editors

Recently, technological development at the nano/molecular scale has improved electronic device capacity and opening new frontiers in technology. The search for alternatives to conventional silicon technology in line with Moore's law requires nano/molecular electronic investigation. In fact, the rapid growth of knowledge and technology in these media has begun, and a great deal of research effort has been applied in this domain, mainly regarding nano electro mechanical systems (NEMS). New material application, fabrication, simulation and modelling for NEMS and molecular devices will lead to future competition in this field thanks to their fantastic advantages (less energy consumption, high sensitivity, compact size, and high operating speed). In this Special Issue, we invite contributions which focus on the latest advances and challenges in molecular/nano electronics from device and material perspectives. All researchers working in the field of nano/molecular electronic and quantum electronics are welcome to submit their works for possible publication in our Special Issue.

Guest Editors

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