Semiconductors: for Further Developments

Semiconductor VLSI (very large scale integration) is the basis of contemporary advanced IT society. Hiramoto/Kobayashi Lab. aims at solving worldwide problems by the technological innovation of future integrated nanoelectronics from the device side. Based on the vision in Fig. A, we are pursuing the extreme form of integrated nanodevices. For Japan’s semiconductor industry restoration, Prof. Hiramoto joined Leading-edge Semiconductor Technology Center (LSTC) and Prof. Kobayashi participated in Rapidus Corporation.