



SECOND INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATIONS AND COOPERATION

Abstract

ENIAC – The European Technology Platform for Nanoelectronics

By Fred van Roosmalen, Director Technology Partnerships Philips Semiconductors
Chair ENIAC Support Group

Future society will expect environments that are sensitive and responsive to the presence and needs of people. In this world of Ambient Intelligence, the European Technology Platform ENIAC has established a basic vocabulary to translate societal needs into application context, and from there down to the underpinning semiconductor technology domains. Next to Moore's Law and the realm beyond CMOS, the ENIAC Strategic Research Agenda recognizes More than Moore and Hetero Integration as key drivers in the roadmaps for system hardware innovation; several examples are given. Finally, it is shown that for the practical realization of the ENIAC ambitions, pre-competitive sharing of infrastructures, regional R&D ecosystems, and public-private partnerships play an essential role.