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Sommario/riassunto	EDM 2014 is a significant event aimed at development of scientific schools working on foreground areas of Russian science and technology. The main areas are research, design and implementation of micro nanostructures, radio and telecommunication devices, power electronic and mechatronic systems which are now related to the development of scientific and technological progress. The conference aims to gather young specialists of the different universities of Russia, CIS and other countries. Invited Russian and foreign specialists will report about the development of science and technologies, perspectives of further development of modern electronics. This conference is focused primarily on the discussion of the fundamental theoretical and technological problems of designing and implementing products of micro and nanoelectronics, simulation methods, and engineering experiments and physical interpretation of the results of these experiments.