

Electronics and Nanoelectronics (11.04.04)

Applied Microelectronics and Nanoelectronics

Program objective:

to train qualified specialists in microelectronics for research institutes and industrial enterprises.

Scientific directions:

- Influence of various types of radiation on the IC;
- Sensors based on microtechnology;
- Development and application of memory ICs, ADCs, microprocessors, microcontrollers, digital signal processors in specialized electronic systems for nuclear, space and medical equipment.
- Development of portable devices and systems for assessing environmental radioactivity, low concentrations of explosives and toxic gases.
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