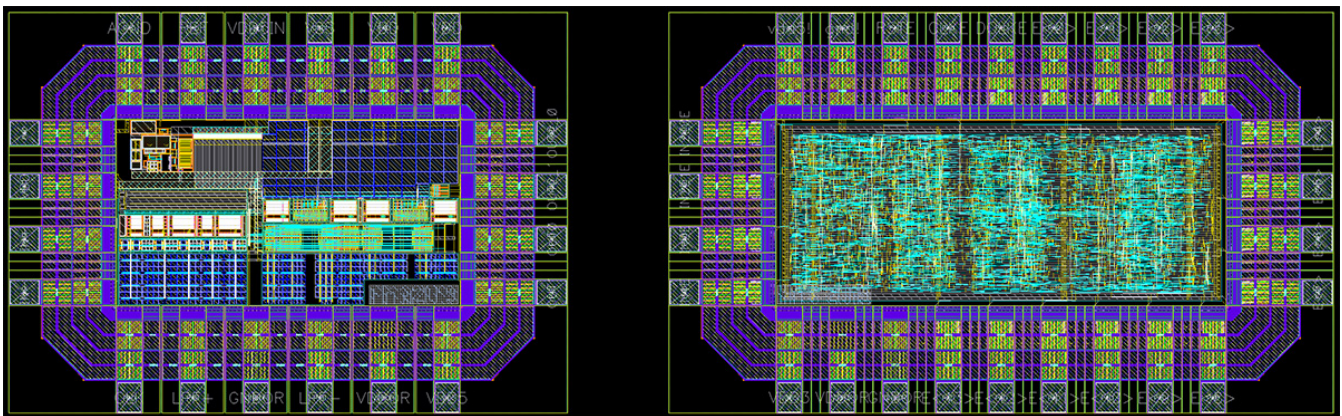


## Product developed by SPbPU scientists among the best EURORACTICE products

Researchers of SPbPU Institute of Physics, Nanotechnology and Telecommunications have created microcircuits for high-temperature electronics, which are included in the list of the best products within the EURORACTICE program. The project was carried out by specialists of the Microelectronics Laboratory (Design Center of Integrated Circuits) of the Institute of Physics, Nanotechnology and Telecommunications under the supervision of Professor Alexander KOROTKOV.



Chip crystals were manufactured at the X-Fab semiconductor factory in Germany as part of the EURORACTICE international program. SPbPU is a member of the program.

At the end of 2019, program experts recognized the polytechnics' project to be one of the best and included it in the list of products of the year. Information about this was provided on the [EURORACTICE media resources](#), as well as in a joint publication by Polytechnic scientists (AS Korotkov, DV Morozov, MM Pilipko, MS Yenuchenko. A high-temperature low-power delta-sigma ADC, EURORACTICE Activity Report, 2019-2020 , pp. 38-39).

It is important to note that over 600 European universities and research organizations participate in the EURORACTICE program. In 2019, about 900 projects were implemented within the framework of the program, 26 of them were included in the list of the best projects.

The microcircuits developed at SPbPU are a type of IP blocks library (including preamplifiers, channel filters, analog-to-digital converters) for use in telecommunication systems for various purposes, including space and monitoring systems for the state of high-temperature objects, for example, engines and turbines.

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