Power Electronics

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Power electronics is a fundamental scientific field that includes the means and methods of electric-power transformation and control by semiconduction devices. The modern achievements of power electronics are based on the development of technology, which has made it possible to design a variety of semiconduction devices with different properties, as well as to develop new, efficient ways of transferring the electric power using pioneer control technology. Thus, we are able to achieve both the economical efficiency of power electronics and to optimize the control procedure of technological processes.

The articles presented in this issue illustrate the variety of theoretical and practical problems that appear

when we create different means of energy transformation and develop complex electric systems for electric power engineering, electric technology, ac electric drives, etc.

I hope that the content of this issue, which is devoted to different aspects of power electronics, will be useful for specialists and readers of *Electrical Engineering*.

G.B. Lazarev,
Chief Executive Officer
of the Power Electronics Engineers Society,
Academician
of the Russian Academy of Energetic Sciences