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Power electronic field under the pressure of the big transition

Abstract: Every phase of the development of human civilization was followed by power transition, during which previously used primary power source was replaced with the other. Current power transition different from all previous by its scope and size, but also by need that instead of previous spontaneous and local character, now it has commanding and global character. Therefore, also the transition process has to be followed by inevitable pressures that expressed through mechanisms of boundaries, controls, prohibitions, support and sanctions. In the same time, during the fast development of power technologies that are needed for diversification of primary sources of energy and fulfil of need for the more noble sources of final energy, it is needed to remediate consequences of uncontrolled usage of environment and endangering of the global climate. Beside all previously listed problems that are following the transition from fossils sources to the renewable and other sources of energy, there will be presented possible risks from application of the pressures, which in case that are not properly combined all together can lead to the multiplication of the currently made damage instead of expected improvements.