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Latest Advances in Electrothermal Models

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Message from the Guest Editors

For many years, tendencies to miniaturize electronic circuits and to increase power density dissipated in these circuits have been observed. During operation of electronic components, their internal temperature increases due to self-heating phenomena and mutual thermal couplings between components located on the common base. An increase in the device's internal temperature causes changes in characteristics of electronic components and also causes a decrease of the life time of these components.

Therefore, one of the biggest problems of the present electronics is accurate calculation values of internal temperature of such components. Solving this task requires accurate models of the considered components and circuits, which take into account all important physical phenomena occurring in these components and circuits...

In recent years, we can observe dynamic development of the abovementioned electrothermal models. This Special Issue of *Energies* is devoted to the latest advances in this area.

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Message from the Editor-in-Chief

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