

New Subject Category on Emerging Technologies and Devices

THE editorial boards of the IEEE ELECTRON DEVICE LETTERS (EDL), IEEE JOURNAL OF ELECTRON DEVICES SOCIETY (J-EDS), and the IEEE TRANSACTIONS ON ELECTRON DEVICES (T-ED) have taken note of a substantial increase in device-oriented manuscripts focused on a variety of “emerging technologies” and, as such, do not fall into traditional subject categories utilized by our journals. Examples include novel nanoelectronic devices based on various “low-dimensional” material systems such as graphene sheets, nanoribbons, carbon nanotubes, transition metal dichalcogenides, and topological insulators, etc.

In recognition of this important trend, and to best serve the global electron devices community, we announce the introduction of an “Emerging Technologies and Devices” category within EDL, J-EDS, and T-ED. We recognize that a category with a title of “emerging” by definition represents a dynamic situation (today’s emerging device may well become tomorrow’s mainstream device), but it is a terminology easily

understood by practitioners in the field. This category will cover the physics, modeling, and operation of such low-dimensional devices, as well as the fabrication techniques needed to construct them.

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