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Low-leakage Top-Gated Field-Effect Transistors with Epitaxial Graphene on SiC/Si pseudosubstrates

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We address the challenges of growing epitaxial graphene on the 3C-SiC/Si system with our findings finally opening the possibility of obtaining dynamic tunability of charge transport in graphene on SiC/Si for integrated nanoelectronics and nanophotonics functionalities.

Primary author: PRADEEPKUMAR, Aiswarya (University of Technology Sydney)

Presenter: PRADEEPKUMAR, Aiswarya (University of Technology Sydney)

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