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Special Issue on Wireless Networks

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The past few decades have seen tremendous growth in the development and adoption of wireless networking technology. This growth has been accompanied by a flowering of research in the area, which in addition to being practically important, is also theoretically significant for advancing the frontiers of mathematics. This issue of *Internet Mathematics* includes a selection of invited papers from leading researchers in the area of wireless networks. These papers illustrate the state of the art in research within the field. The topics addressed include the optimal control of wireless networks, stochastic routing in wireless sensor networks, coverage in wireless networks with secrecy constraints, the capacity of large-scale underwater networks, and the interplay between capacity, peak power value, and energy consumption in wireless communication. All the articles have been thoroughly reviewed in accordance with the usual high standards of *Internet Mathematics*.

It is hoped that the papers presented in this special issue will not only lead to new directions in research in wireless networks, but also stimulate increased interactions between researchers in wireless networks and those in other network-related research areas.

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