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Understand the fundamental theory, current techniques, and potential applications of cloud radio access networks (C-RANs) with this unique text. Leading experts from academia and industry guide you through all of the key elements of C-RANs, including systems architecture, performance analysis, technologies in both the physical and medium access control layers, self-organizing and green networking, standards development, and standardization perspectives. Recent developments in the field are covered, as well as open research challenges and possible future directions.

The first book to focus exclusively on cloud radio access networks, this is essential reading for engineers in academia and industry working on future wireless networks.

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