

REGULAR PAPERS ISSUE

1779 A Survey on MIMO Transmission With Finite Input Signals: Technical Challenges, Advances, and Future Trends

By Y. Wu, C. Xiao, Z. Ding, X. Gao, and S. Jin

| CONTRIBUTED PAPER | This paper provides a comprehensive overview of multiple-input–multiple-output transmission design with finite input signals and delves into unsolved technical challenges and future trends in this field.

1834 Ultrareliable and Low-Latency Wireless Communication: Tail, Risk, and Scale

By M. Bennis, M. Debbah, and H. V. Poor

| CONTRIBUTED PAPER | This paper serves as the first step in defining a principled and scalable framework which takes into account delay, reliability, packet size, network architecture and topology (across access, edge, and core), and decision making under uncertainty for achieving ultrareliable and low-latency wireless communication.

DEPARTMENTS

1774 POINT OF VIEW

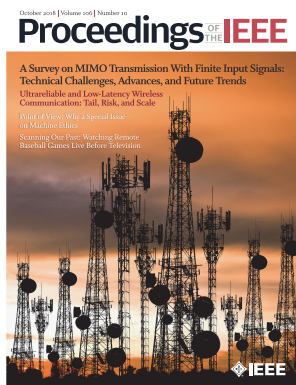
Why a Special Issue on Machine Ethics
By H. J. Trussell

1777 SCANNING THE ISSUE

1854 SCANNING OUR PAST

Watching Remote Baseball Games Live Before Television
By M. Schubin

1861 FUTURE SPECIAL ISSUE/SPECIAL SECTIONS



On the Cover: This month's cover image of multiple communication towers against a beautiful skyline highlights the communication theme of the papers in this issue.