

REGULAR PAPERS ISSUE

1166 6G Wireless Systems: Vision, Requirements, Challenges, Insights, and Opportunities

By H. Tataria, M. Shafi, A. F. Molisch, M. Dohler, H. Sjöland, and F. Tufvesson

| CONTRIBUTED PAPER | This article aims to provide a holistic top-down view of sixth-generation wireless system design and proposes fundamental changes that are required in the core networks of the future.

1200 New Trends in Stochastic Geometry for Wireless Networks: A Tutorial and Survey

By Y. Hmamouche, M. Benjillali, S. Saoudi, H. Yanikomeroglu, and M. Di Renzo

| CONTRIBUTED PAPER | This article reviews novel stochastic geometric models and techniques developed during the last decade for the evaluation of wireless networks.

1253 Wide Bandgap DC–DC Converter Topologies for Power Applications

By M. Parvez, A. T. Pereira, N. Ertugrul, N. H. E. Weste, D. Abbott, and S. F. Al-Sarawi

| CONTRIBUTED PAPER | This article reviews new WBG architectures and new WBG semiconductor technologies, with respect to their application in the field of power electronics.

DEPARTMENTS

1150 SCANNING THE ISSUE

1152 POINT OF VIEW

Swarm Robotics: Past, Present, and Future
By M. Dorigo, G. Theraulaz, and V. Trianni

1276 FUTURE SPECIAL ISSUE/SPECIAL SECTIONS

6G Wireless Systems: Vision, Requirements, Challenges, Insights, and Opportunities
New Trends in Stochastic Geometry for Wireless Networks: A Tutorial and Survey
Wide Bandgap DC–DC Converter Topologies for Power Applications
Point of View: Swarm Robotics: Past, Present, and Future



On the Cover:
Our cover this month captures the theme of mobile wireless communications which is ever evolving with next-generation wireless systems and standards.