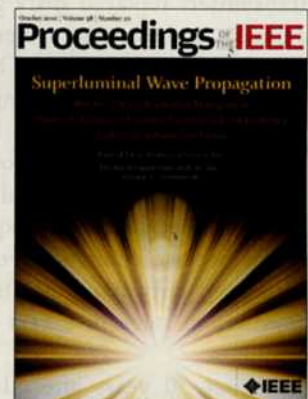


PAPERS

- 1692 Audiovisual Information Fusion in Human-Computer Interfaces and Intelligent Environments: A Survey**
 By *S. T. Shivappa, M. M. Trivedi, and B. D. Rao*
 | CONTRIBUTED PAPER | This paper surveys audiovisual information fusion techniques to mimic the same modalities that humans use to process audio and video inputs for various tasks, including speech recognition, tracking, biometrics, affective state recognition, and meeting scene analysis.
- 1690 Prolog, J. Esch**
- 1718 Parameter Variation Tolerance and Error Resiliency: New Design Paradigm for the Nanoscale Era**
 By *S. Ghosh and K. Roy*
 | CONTRIBUTED PAPER | The authors present an overview of various sources of process variations and reliability degradation mechanisms and related information to maintain performance envelope and yield as silicon devices enter the deeper regions of nanometer scaling.
- 1716 Prolog, R. O'Donnell**
- 1755 A Survey of Trust and Reputation Management Systems in Wireless Communications**
 By *H. Yu, Z. Shen, C. Miao, C. Leung, and D. Niyato*
 | CONTRIBUTED PAPER | This paper surveys computational trust models in wireless communication systems and discusses classifications of approaches as well as the advantages and disadvantages of individual- and system-level trust models including unconventional computational methods and state-of-the-art TRM systems.
- 1752 Prolog, J. Esch**
- 1775 A Systemized View of Superluminal Wave Propagation**
 By *W. Withayachumnankul, B. M. Fischer, B. Ferguson, B. R. Davis, and D. Abbott*
 | CONTRIBUTED PAPER | The paper examines several types of anomalously dispersive media that support the argument for superluminal propagation which is the propagation of electromagnetic waves at group velocities exceeding the speed of light.
- 1773 Prolog, R. O'Donnell**

DEPARTMENTS

- 1686 POINT OF VIEW**
 Radio as a Science Tool
 By *S. Asmar*
- 1688 SCANNING THE ISSUE**
- 1787 SCANNING OUR PAST**
 Electrical Engineering Hall of Fame:
 George C. Southworth
 By *J. E. Brittain*
- 1791 FUTURE SPECIAL ISSUES/SPECIAL SECTIONS**



On the Cover: This month's regular papers issue cover highlights the paper on superluminal wave propagation with an abstract representation of light to illustrate the idea of the propagation of electromagnetic waves at group velocities exceeding the speed of light.