IEEE Transactions on Computer Electronics

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Scope

The IEEE Transactions on Consumer Electronics (TCE) is at the forefront of exploring the multifaceted engineering and research areas related to consumer electronics, spanning hardware, software, communications, and services. The scope encompasses the creation, production, and manufacture. TCE provides comprehensive coverage of the latest advancements in consumer electronic technologies, including but not limited to:

- Consumer Electronics Systems and Architectures
- Consumer Electronics Hardware
- Consumer Power and Energy Efficiency
- Consumer Electronics Reliability and Dependability (CEDA)
- Consumer Electronics and Computing Platforms
- Human-Machine Interaction and User Experiences (CHMI)
- Internet of Things (Internet of Consumer Electronics and Edge Computing (IoCE))
- Machine Learning, Deep Learning and AI in CE (AIML)
- Mobile Computing and Wireless Technology (MCT)
- Multimedia Systems and Applications (Multimedia and Consumer Electronics (MCE))
- Security and Privacy (CSPL)
- Software and Middleware Technologies (MDT)
- Virtual Reality, Augmented Reality and Displays (VARD)
- Wireless and Sensor Technologies (WST)

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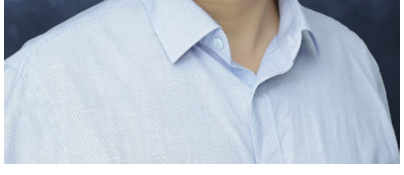

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The history of TCE dates back to 1952. From 1952 to 1957, the publication featured editorial contributions by E. Dean, C. Sall, and S. Ronzheimer, all from the *IRE Professional Group on Broadcast and Television Receivers*. The journal was published as *IRE Transactions on Broadcast and Television Receivers* from 1958 to 1962, then as *IEEE Transactions on Broadcast and Television Receivers* from 1963 to 1974, before adopting its current title, *IEEE Transactions on Consumer Electronics*, in 1975.

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