

SCTE CALL FOR PAPERS

CONTRIBUTE TO THE SCTE TECHNICAL JOURNAL

Share your knowledge and insights with your peers in the industry! Submit a paper for the next SCTE Technical Journal!

The SCTE Technical Journal is published quarterly in conjunction with the award-winning SCTE Standards Program overseen by the SCTE Engineering Committee. The Program is the only ANSI accredited standards forum for the cable telecommunications industry.

SCTE is seeking operational practice papers, technical papers, and case studies with a maximum word count of 10,000 for this issue of the Journal. Priority topics within the following categories are detailed on the next pages, however other topics will also be considered:

- Digital Video
- Energy Management
- Data Standards
- Network Operations
- Interface Practices

Submit your proposal by January 19th, 2024 to journals@scte.org for consideration in the March journal. If your proposal is accepted, your completed paper is due **February 16th, 2024**. Access the Journal template and issues of the past SCTE Journals [here](#).

Thank you for exercising your thought-leadership skills and working with SCTE to keep colleagues up to date and ready for what's next in the cable telecommunications.

CALL FOR PAPERS TOPICS



DIGITAL VIDEO

- Impact of new and emerging video and audio codecs on transport and ad insertion
 - High dynamic range (HDR) adoption and operationalization
 - Video quality testing and assurance for ultra HD, HDR/WCG, and VR content
 - Evolving models and technologies to distribute content
 - Next-generation security platform and content protection
 - Immersive video
 - MPEG-DASH, MPEG-CMAF, and emerging technologies in live streaming
 - Bandwidth-efficient video compression and streaming
 - Ad insertion techniques and innovations for live, linear and OTT applications
 - Innovative uses of the Event Scheduling and Notification Interface (ESNI) and Real-time Event Signaling and Management (ESAM) API standards
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ENERGY MANAGEMENT

- Cooling
 - Alternate energy
 - Microgrids and nanogrids
 - Next generation architectures to enable 10G and its powering needs
 - Generator needs
 - Enterprise energy portfolio management/strategy
 - Fuel supply chain management
 - facility management
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DATA COMMUNICATIONS

- Artificial intelligence
- Machine learning
- Aging in place
- Telemedicine
- Security
- Blockchain
- Premises network infrastructure
- Utility monitoring
- Premise network management for IoT devices
- Firmware management

CALL FOR PAPERS TOPICS



NETWORK OPERATIONS

- DOCSIS® 3.1 signal measurements, maintenance, troubleshooting, and lessons learned
- DOCSIS® 3.1-MoCA coexistence: issues, case studies and lessons learned
- Proactive network maintenance (PNM) innovations, case studies and lessons learned
- DOCSIS® 4.0 development and deployment preparation”
- Distributed access architecture case studies and lessons learned
- Moving away from “big iron,” e.g. to virtualized or cloud native CCAP
- Sub-650 MHz RF plants: unique challenges and solutions for capacity optimization
- Network reliability in practice
- Network operation above 1.2 GHz
- Changing from sub-split to mid-split or high-split operation
- Business-class access networks: trends, new technology, and SLA compliance
- Installing and maintaining Wi-Fi and other wireless services
- Managed wireless services
- Cable’s access network advantage for deploying small cells and Wi-Fi access points
- Business continuity trends/concerns



INTERFACE PRACTICES

- Techniques and guidance for developing 1.8 GHz and 3 GHz actives and passives
- Applications and case studies for the Generic Access Platform (GAP)
- Innovations in active devices including construction, cooling, and powering
- Innovations in passive devices including materials, construction, and installation
- Connector and cable installation and testing
- Advances in fiber optic cables, connectors, techniques, and Interfaces
- Construction and maintenance techniques and lessons learned