

Device-Centric Cooperation Technology Towards Next Generation Wireless Communications



in conjunction with VTC2026-Fall
6th Sept. 2026, Boston, USA

Committee

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Call For Papers

DCCT workshop will be held in Boston, USA, in conjunction with the 2026 IEEE 104th Vehicular Technology Conference: VTC2026-Fall. This workshop is technically sponsored by IEICE technical committees on Radio Communication Systems (RCS) in Japan, IEEE VTS Tokyo/Japan Chapter, and XG Mobile Promotion Forum (XGMF), Japan.

Scope: The limited availability of frequency resources suitable for mobile communications is a significant challenge for 6G. Device-centric cooperation technology has emerged as a promising approach to address this challenge. Device-centric cooperation, for example, through multi-input multi-output (MIMO) transmission or relay transmission with frequency conversion enables the efficient utilization of valuable frequency bands that offer excellent propagation characteristics but have relatively long wavelengths. These bands have traditionally posed challenges for enhancing MIMO spatial multiplexing due to antenna size constraints. This workshop aims to provide opportunities to present the latest research results regarding device-centric cooperation technologies. Distinguished speakers from industry and academia will present their most recent research and development results. The discussion at the workshop is also expected to promote the exchange of new ideas among researchers.

Topics: This workshop will cover the following topics but not limited to

- ▶ Collaborative Processing
- ▶ Access Control for Device-Centric Cooperation Technology
- ▶ Terminal Grouping for Device-Centric Cooperation Technology
- ▶ High-Capacity Data Transmission
- ▶ Wireless Security in Device-Centric Cooperation Technology
- ▶ Device-Centric Cooperation Technology with Hardware Impairments
- ▶ Device-Centric Cooperation for ISAC

Important Dates:

Paper Submission Due	25th April 2026
Acceptance Notification	16th June 2026
Final Papers/Author Registration Due	30th June 2026

Paper Submission

Submission Requirements: 5-page paper ONLY. Up to 2 additional pages are allowed with the purchase of additional page charges in the amount of \$100 USD per additional page at the time of registration and final paper submission. Papers should follow the IEEE conference template: http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Paper Submission Website: <https://vtc2026f-rr-wks.trackchair.com/track/2540>

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Workshop Website: <https://www.ieice.org/cs/rcs/DCCT/>