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Abstract

Conference Information

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### Fourth International Conference on Digital Signal and Computer Communications, DSCC 2024

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### Abstract

The proceedings contain 70 papers. The topics discussed include: heart rate prediction based on CNN-transformer model; infrared image enhancement algorithm based on IWGIF and WTD; research and implementation of speech enhancement based on db4 wavelet transform; electronic simulation technology of UHF partial discharge signal based on k-means clustering algorithm; synchronous localization and map construction of indoor mobile robot based on the fusion of depth camera and 2D lidar; signal separation device based on synchronous clock; a file similarity algorithm based on fuzzy hash; DACLight: traffic signal control with deep reinforcement learning for actual deployment; and study on ultrasonic signal characteristics of typical partial discharge types in switchgear.

### Conference Information

**Conference name:** 4th International Conference on Digital Signal and Computer Communications, DSCC 2024

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Portet, François; Yordanova, France Kristina; Yordanova, Kristina; Civitarese, Gabriele; Kirsch-Pinheiro, Manuele; Krüger, Frank; Lüdtke, Stefan; Takuya; Maekawa, Maekawa; Murphy, Amy L.; Nicklas, Daniela; Schiele, Gregor; Uchiyama, Akira  
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