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Localizing Speakers in Multiple Rooms by Using Deep Neural Networks

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Highlights

- MLP and CNN architectures for multi-room speaker localization are investigated
- Localization is performed by using the microphone signals coming from all rooms
- An in-depth study on the effect of the temporal context is conducted
- A reduced dependence on the microphones location inside the room is observed
- The CNN approach with temporal context outperforms state-of-the-art algorithms on the DIRHA dataset

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