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Acoustic Source Tracking Based on Adaptive Distributed Particle Filter in Distributed Microphone Networks

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Highlights

- The multiple-hypothesis likelihood model is improved by calculating the probabilities of the hypotheses based on energy information of the GCC function;
- An adaptive and distributed construction method of the proposal function is proposed based on the combination of an MCMC sampler and a consensus method;
- An adaptive distributed particle filter is investigated to achieve the acoustic source tracking in DMNs.

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