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Random Forest Classification based Acoustic Event Detection
Utilizing Contextual-Information and Bottleneck Features

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Highlights

- A random forest classification based acoustic event detection system was constructed as the baseline system.
- Contextual information was employed to cope with the acoustic signals with long duration.
- Global bottleneck features were employed in the acoustic event detection system to utilize the prior knowledge of the event category information.
- Category-specific bottleneck features were employed in the acoustic event detection system to utilize the prior knowledge of the event boundary information.
- Evaluations on the UPC-TALP and ITC-IRST databases of highly

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