

# AUTHOR GUIDELINES FOR DCASE2017 WORKSHOP MANUSCRIPTS

*Fabio Vesperini<sup>1</sup>, Diego Droghini<sup>1</sup>, Daniele Ferretti<sup>1</sup>  
Emanuele Principi<sup>1</sup>, Stefano Squartini<sup>1</sup>, Leonardo Gabrielli<sup>1</sup>, Francesco Piazza<sup>1</sup>*

<sup>1</sup> Politecnico University of Marche, Information Engineering Dept., Ancona, Italy,  
{d.droghini, v.vesperini, d.ferretti}@pm.univpm.it  
{e.principi, s.squartini, l.gabrielli, f.piazza}@univpm.it

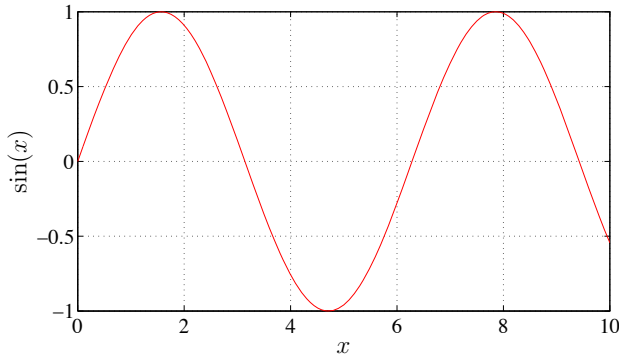


Figure 1: Example of a figure with experimental results.

## ABSTRACT

**Index Terms**— One, two, three, four, five

### 1. INTRODUCTION

### 2. SOUND EVENT DETECTION

### 3. CONVOLUTIONAL NEURAL NETWORK

### 4. MULTISCALE RESOLUTION APPROACH

#### 4.1. First Stage

#### 4.2. Second Stage

## 5. RESULTS

### 5.1. Real Scenario application

## 6. CONCLUSION

Fig. 1.

$$\Delta^2 p(x, y, z, t) - \frac{1}{c^2} \frac{\partial^2 p(x, y, z, t)}{\partial t^2} = 0, \quad (1)$$

## 7. REFERENCES

- [1] <http://www.cs.tut.fi/sgn/arg/dcase2017/>.
- [2] E. Williams, *Fourier Acoustics: Sound Radiation and Nearfield Acoustic Holography*. London, UK: Academic Press, 1999.