

## Editorial

We now release the last issue of the **Progress in Signals and Telecommunication Engineering** with the following research papers.

In the first paper on “**Monitoring Bumblebee Daily Activities Using Microphones**” the authors *Anton Gradišek Jozef, Candace Galen, Nicolas Cheron, France Janez Grad and David Heise* presented the results of the study which used microphones, placed in front of nest boxes, to monitor daily foraging activity of bumblebees. Sound recordings were analyzed using a custom-made computer algorithm which detects flight buzzing sounds coming from arrivals or departures of individual bees.

In the next paper on “**Reconstructing PPG Signal from Video Recordings**” the authors *Gašper Slapničcar, Erik Dövgan, Andrejaana Andova and Mitja Luštrek* used RGB camera recordings of faces to reconstruct the PPG signal, which can be used to monitor many physiological signals such as heart rate, breathing rate, blood pressure, etc. This method uses the output of an existing method as an input into a LSTM neural network, which substantially improves the reconstruction of PPG.

In the last paper on “**Emotion Recognition Using Audio Speech Signal**” the author *Maj Smerkol* and *Mitja Luštrek* demonstrated that the Emotion recognition is an important part of affective-aware applications. They proposed a new representation aimed at using differently labeled databases jointly.

The papers published in this issue are very important.

## Editors