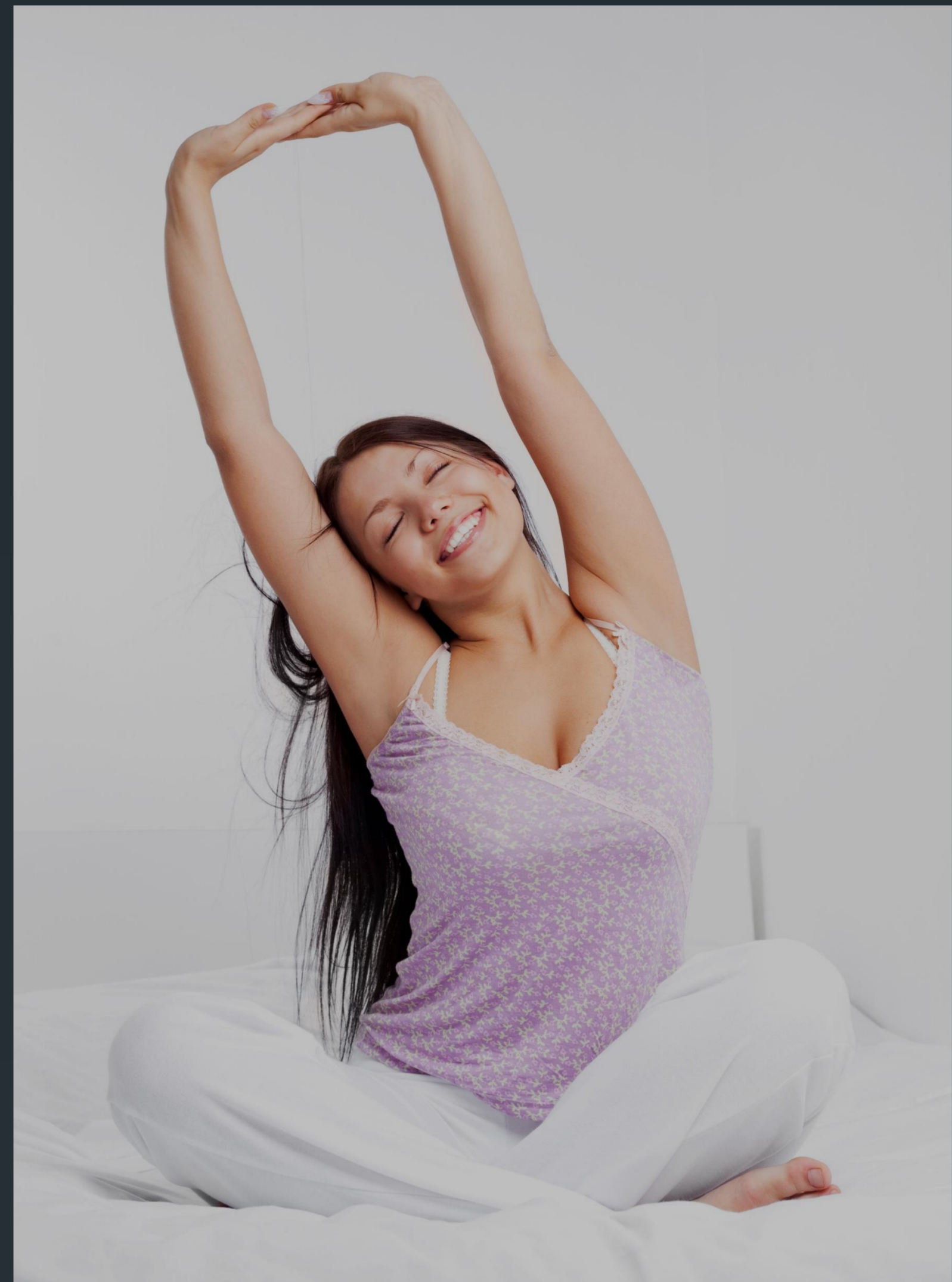


WakeUpStudio

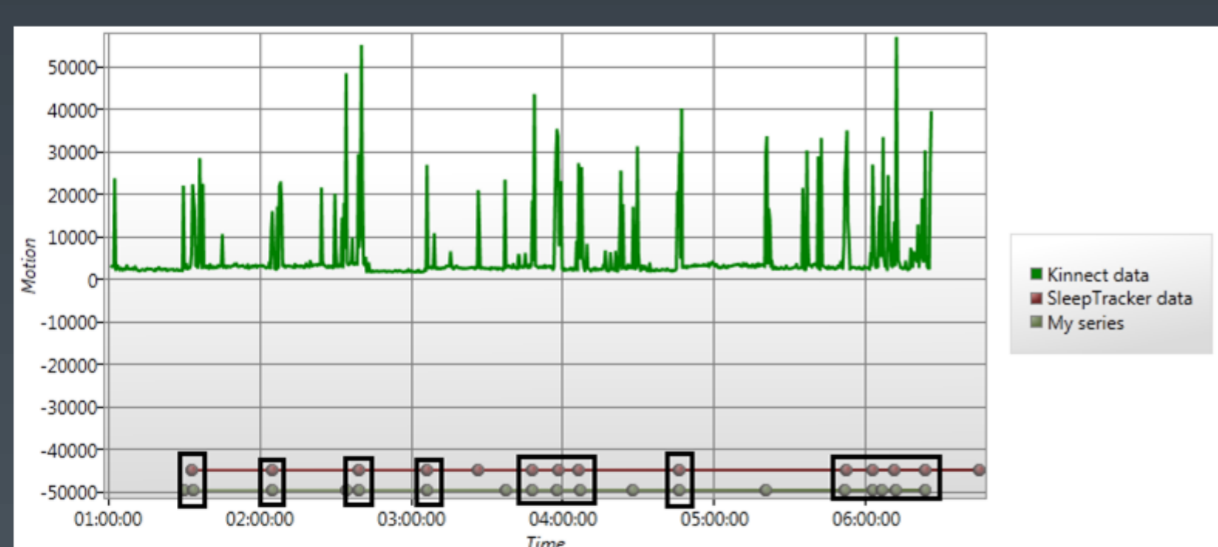
Makes your **Good** Morning

- WakeUpStudio is an intelligent alarm clock that wakes you up in **the right** moment
- It helps you to wake up easy and feel **excellent** all the day



WakeUpStudio detects the best time to wake up

Our project is based on a theory that a sleep consists of a few stages. Each stage consist of 4 NREM phases and one REM phase. The project idea is using Kinect® to identify persons current sleep phase by intensity of his motions and detect the best time to wake up. It doesn't have any contact sensors, so persons motions are detected by Kinect® depth sensor so it works even in the dark.



Best wake up moments: top – WakeUpStudio, bottom – SleepTracker® watch.

Use case

- Turn on WakeUpStudio and set up the time that you'd like to wake up
- The program will analyze your movements during the night
- The **intelligent** alarm clock will wake you up in the best moment nearest to time you set up

On the graph you see that accuracy of our method is better that competitors "watch" method.

We are planning to continue researching of sleep phases and develop WakeUpStudio alarm clock. Our project is going to help people wake up easy. It will influence persons mood and health. Scientific value of our project is the fact that it can help us to research the nature of sleep.