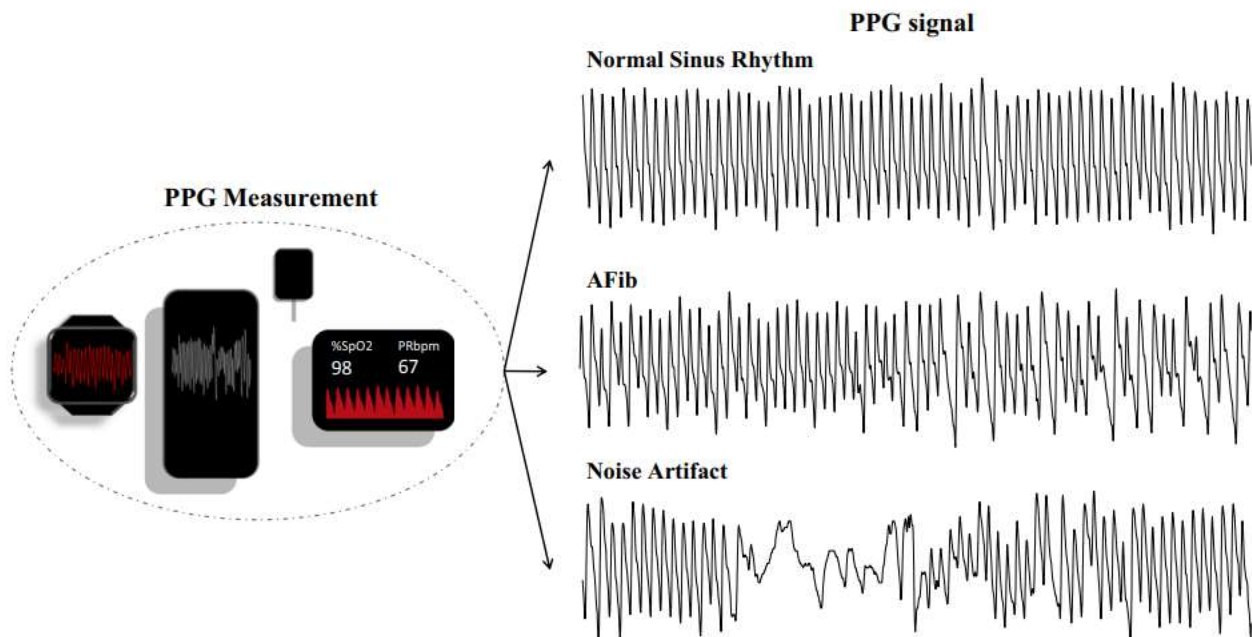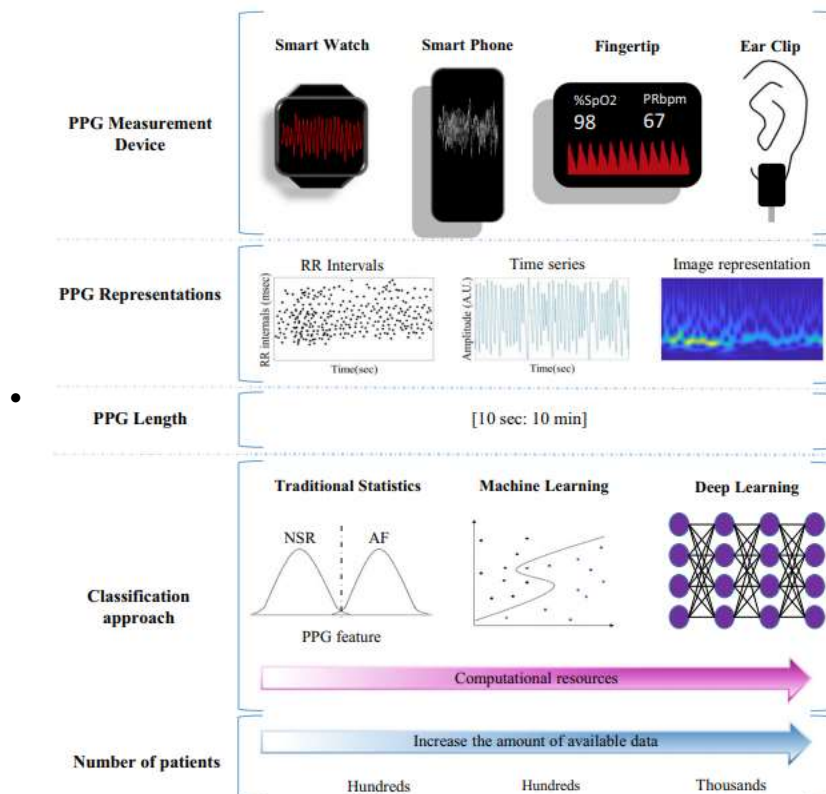# PPG based on AT fibri

Mittwoch, 24. März 2021   08:33

file://mucsdn32.eu.infineon.com/csc_bs/02_public/_Benkirane/PALS/theses/PPG-based%20AF%20detection%20review.pdf

- On the other hand, a normal sinus rhythm (NSR) is recognizable through regularly spaced PPG pulses with similar morphologies between consecutive pulses

- Compared to ECG, PPG-based AF detection is more challenging but also rewarding in situations where longer monitoring time and lower cost beyond what ECG offers is needed, e.g., screening AF at scale.

Main current challenges :
- presence of different cardiac rhythms within a recording poses a challenge for AF detection
- Manual notation is impossible : need a digital way