

On-demand daily activity support & health condition monitoring

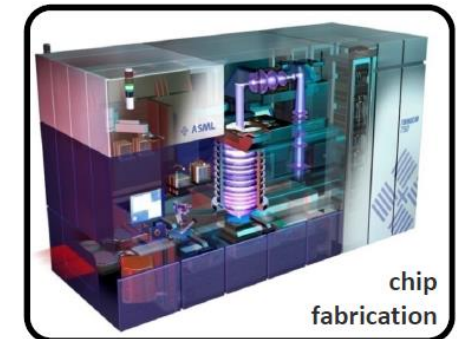
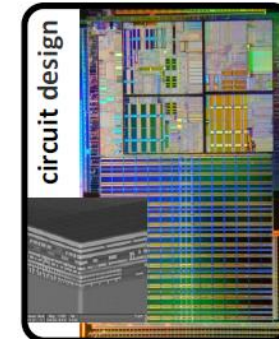
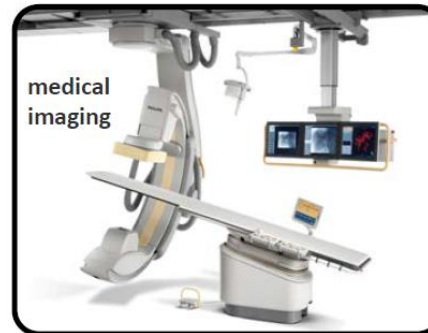
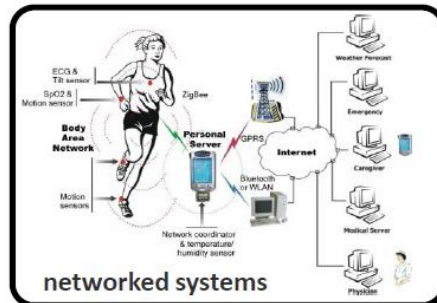
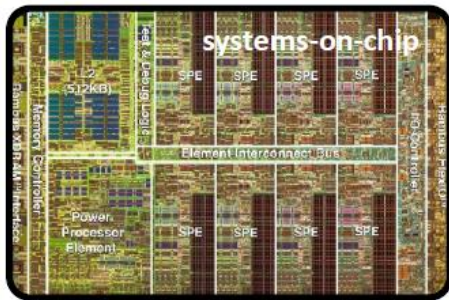
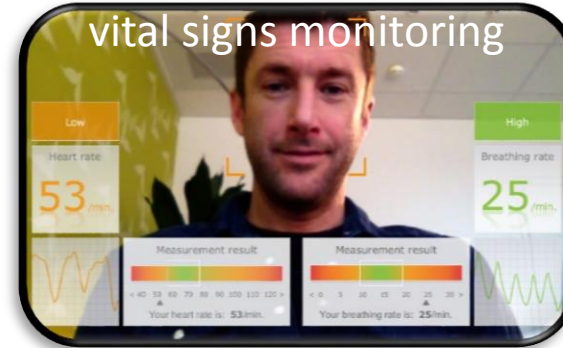
Victor Sanchez: v.sanchez.martin@tue.nl

Kees Goossens: K.G.W.Goossens@tue.nl

Electronic Systems

(Enabling virtual and physical world to interact)

- Data flow modelling.
- Systems on chips.
- GPU programming.
- Embedded networking and control.
- Vital sign monitoring.
- Digital Nano-electronics.
- Deep learning.
- Energy harvesting and battery-less computing.



On-demand daily activity support & health condition monitoring

1. Support senior ADLs and confidence build-up.

- Deep convolutional neural networks for multimodal activity recognition.
- Guidance for common ADLs.
- Head-up display with added information when needed.
- Help to remember common facts and activities done.
- Support on conversation with people.
- Access to the digital self-serve society.



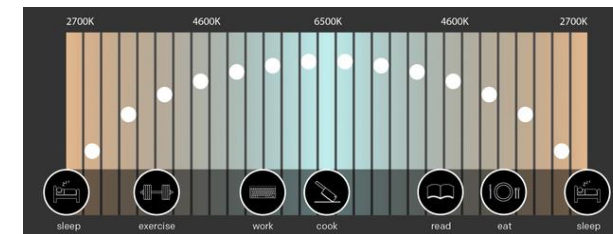
2. Improve peace of mind of informal caregivers and caregivers.

- Older adult health vital signs monitoring.
- Day-night rhythm support (cortisol and melatonin stimulation).
- Improved good mood and decreasing behavioural change.
- Easy system set-up and long lasting battery.
- Non-intrusive and ageing-friendly device.
- Always connected.

A: How is the weather?

B: The weather is

sunny ☀️
rainy ☁️🌧️



Project idea

We have

Coordinator

Industries

Research centres

We need

End user organisations in the NL and eligible countries.

SME in NL willing to sell the entire solution.

Any other partners who offers added value.

Looking for