



BROKERAGE FOR HEALTH

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Science, Technology and Business
Centre „Santaka Valley“, Lithuania

PERSONALIZED WEARABLE TECHNOLOGIES

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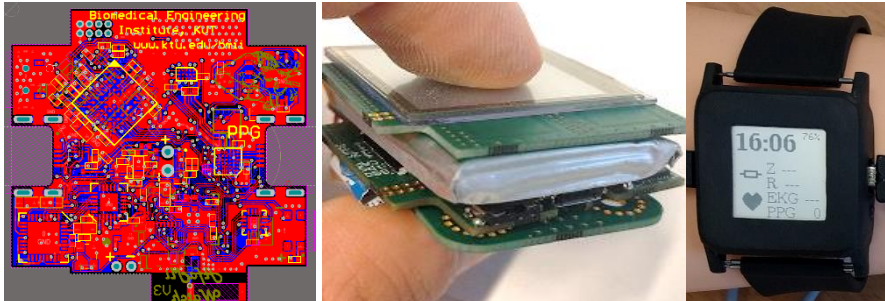
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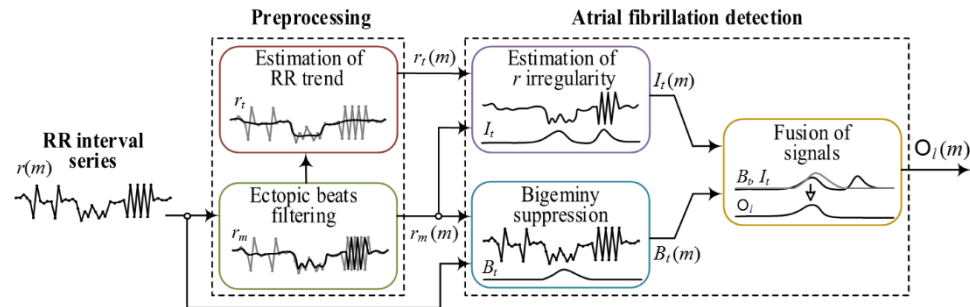
Personalized wearable technologies for monitoring of life-threatening health conditions

Expertise in developing unobtrusive systems for monitoring of life-threatening health conditions (atrial fibrillation, ventricular arrhythmias, electrolyte fluctuations, etc.).

Prototypes (hardware & software)



Embedded algorithms



Experience in international projects (e.g., FP5, FP6, FP7) since 2001.



Involvement in related projects

Previous related projects:

- ❑ **CARRE:** Personalized patient empowerment and shared decision support for cardiorenal disease and comorbidities – CARRE, EC-**FP7**-ICT-611140, 2013-2016 (<https://www.carre-project.eu/>).
- ❑ Novel technical solutions and biomarkers in mobile patient monitoring, Mobility and PhD students training, Swedish Institute VISBY programme # 00923/2011, 2011-2016.

Ongoing related projects:

- ❑ **KindeyLife:** Personalized wearable technologies for evaluating life-threatening health conditions in chronic kidney disease patients, European Regional Development Fund according to the supported activity 'Research Projects Implemented by World-class Researcher Groups' under Measure No. 01.2.2-LMT-K-718, 2018-2021.
- ❑ **AFTERStroke:** Methods for long-term unobtrusive monitoring of atrial arrhythmias in post-stroke patients, Lithuanian Research Council #S-MIP-17-81, 2017-2019.
- ❑ **StrokeMonitor:** Biomedical electronic system for post-stroke monitoring, Lithuanian SmartInvest #01.2.1-LVPA-K-823-01-0004, 2017-2018.

Topic

Topics of interest

- SC1-BHC-01-2019:** Understanding causative mechanisms in co- and multimorbidities.
- SC1-BHC-22-2019:** Mental health in the workplace.
- SC1-BHC-25-2019:** Demonstration pilots for implementation of personalized medicine in healthcare.
- DT-TDS-01-2019:** Smart and healthy living at home.
- SC1-DTH-01-2019:** Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment.

Role in the potential consortium

Wireless systems for biosignal **acquisition**, biosignal processing **algorithms**, phenomenological biosignal **modelling**, identification of signal-based **biomarkers**, smartphone **apps**.



Contact details

Thank you!

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