

**May 23, 2018**

## **Session I**

# **MECHATRONIC SYSTEMS TELECOMMUNICATIONS**

**Chair: doc. Ing. Danica Rosinová, PhD.**

**09:00 - 11:00**

### **1. Virtual Experiments Developed by Node.JS and Visualized in Mixed Reality Using Microsoft HoloLens**

Erich Stark, Erik Kučera, Pavol Bisták and Oto Haffner (ÚAMT)

### **2. An Android Application for Measured ECG Data Received via Bluetooth**

Alek Lichtman, Richard Uzsák, Miroslav Svetlák and Peter Fuchs (ÚAMT)

### **3. Application of Face Detection Algorithm on Client's Side of Web Solutions by Using JavaScript Library Tracking.js**

Zuzana Képešiová (ÚAMT)

### **4. Algorithm for Real-time Feature Extraction and Recognition of ASL Using Laplacian of Gaussian and Convolutional Neural Networks**

Filip Csóka and Jaroslav Polec (ÚMIKT)

### **5. FPGA Based ECG**

Ivan Klimo, Peter Drahoš and Michal Kocúr (ÚAMT)