

# WORKSHOP ON SIGNALS AND SYSTEMS IN HUMAN MOTION

**SPLIT, Tuesday, October 12**

**Tuesday, October 12, 15:15-16:45, (KORCULA)**

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## **WSSHM1 – WORKSHOP ON SIGNALS AND SYSTEMS IN HUMAN MOTION**

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*Workshop organizer: Vlasta Zanchi, University of Split, Croatia*  
*Chair: Vlasta Zanchi, University of Split, Croatia*

### **Human motion identification**

*Vlasta Zanchi, Tamara Supuk, University of Split, Croatia*

### **Slow Speed Mathematical Model of Biped Gait**

*Mojmil Cecic, University of Split, Croatia*

### **Direct Dynamics Approach to Sit-To-Stand Movements in Sagittal Plane**

*Ana Kuzmanic, University of Split, Croatia*

### **Identification of Human Motion by Nonparametric Background Modeling and Star-skeletonization**

*Josip Music, Vlasta Zanchi, University of Split, Croatia*

### **Case Report: Student Exercises on Analysis of Human Locomotion**

*Stjepan Podrug, Vlasta Zanchi, University of Split, Croatia*

### **Applications of Radio Systems to Biomechanics Experiments**

*Zoran Blazevic, Igor Zanchi, Ivan Marinovic, University of Split, Croatia*

### **Experiment vs. Modelling and Simulation-A Task For Biomechanists**

*Vladimir Medved, University of Zagreb, Croatia*

**Tuesday, October 12, 17:00-18:30, (KORCULA)**

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## **WSSHM2 – WORKSHOP ON SIGNALS AND SYSTEMS IN HUMAN MOTION II**

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*Workshop organizer: Vlasta Zanchi, University of Split, Croatia*  
*Chair: Vladimir Medved, University of Zagreb, Croatia*

### **Visual Identification of Human Kinematics Using Markers**

*Toma Roncevic, University of Split, Croatia*

### **Surface Electromyography: Measurement, Processing and Analysis of Semg Signals Recorded During Gait**

*Tamara Supuk, Mojmil Cecic, University of Split, Croatia*

### **Identification of muscle activity during Rowing Stroke**

*Ante Panjkota, University of Split, Croatia*

### **Haptic Feedback in the use of rendering Color Information**

*Satyajit Chakrabarti, Sukanta Pramanik, David Du, University of British Columbia, Canada; Rajashree Paul, Simon Fraser University, Canada*

### **Arm Adduction - Abduction Kinematic Characteristics of Handball Goalkeeper**

*Nenad Rogulj, Vladan Papic, University of Split, Croatia*

### **Isokinetic diagnostics; Computerized objectivization of muscle and joint function parameters in prevention of injuries and cronical damage**

*Slobodan Kvalja, Dubravka Mutic-Kvalja, Cybex, Croatia; Osman Muftic, University of Zagreb, Croatia*

### **Paramorphic and Dismorphic Changes of the Thorax in the Early Adolescents**

*Zdenko Kosinac, Jelena Paušic, University of Split, Croatia*