

# Program



## WEDNESDAY – NOVEMBER 3, 2021

09:00–10:30 Check-in & Coffee  
*Entrance Hall*

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10:30–11:00 Opening Ceremony  
*Red Hall*

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11:00–12:30 Keynote Speakers  
*Red Hall*

**RECREATIONAL CYCLING AND RUNNING THROUGHOUT THE LIFE SPAN: HEALTH BENEFITS AND PHYSIOLOGICAL DATA IN RECREATIONAL ATHLETES AGED 20 TO 70 YEARS**

*Jan Heller*

**NEUROMUSCULAR AND TEMPORAL ASPECTS OF MOVEMENT PATTERNS IN WHEELCHAIR FENCING**

*Zbigniew Borysiuk*

**PHYSICAL ACTIVITY AND MOTOR SKILLS IN PRESCHOOL CHILDREN: BUILDING LIFELONG MOTOR COMPETENCE**

*Sanja Šalaj*

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12:30–13:30 Lunch  
*Cafeteria*

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13:30–14:30 Keynote Speakers  
*Red Hall*

**ENVIRONMENTAL ASPECTS IN RESEARCH OF PHYSICAL ACTIVITY**

*Josef Mitáš*

**POPULARIZATION OF SCIENCE – A HOLISTIC APPROACH TO SUBJECTIVE WELL-BEING – A GOOD EXAMPLE FROM PRACTICE**

*Kludia Zusková*

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14:30–15:00 Sport Exhibition  
*Red Hall*

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15:00–15:30 Coffee Break  
*Entrance Hall*

15:30–17:00

*Red Hall*

## Session I

Chair: *Václav Bunc, Charles University in Prague, Czech Republic*

### **ANALYSIS OF 24-HOUR MONITORING OF PHYSICAL BEHAVIOR IN CHILDREN AND ADOLESCENTS IN THE CONTEXT OF AFTER SCHOOL ORGANIZED PHYSICAL ACTIVITY**

*Eliška Materová, Jana Pelclová, Aleš Gába, Jan Dygrýn*

### **ATTITUDES OF PHYSICAL EDUCATION TEACHERS TOWARDS HEALTH EDUCATION**

*Paweł F. Nowak*

### **EFFECT OF PHYSICAL EXERCISE ON ADIPOSITY AND PHYSICAL FITNESS IN MIDDLE AGE MEN WITH DIFFERENT BODY MASS**

*Václav Bunc*

### **GENDER DIFFERENCES IN THE LEVEL OF INTERACTIONS BETWEEN THE PHYSICAL ACTIVITY AND QUALITY OF LIFE OF 10 YEARS OLD CHILDREN**

*Monika Czaková, Jaroslav Broďáni, Natália Dvořáčková*

### **MULTIPLE ACCELEROMETRY ASSESSED PHYSICAL BEHAVIOR AND POSTURE IN THE CONTEXT OF OBESITY ACROSS 24-HOUR CYCLE: A PILOT STUDY IN OLDER ADULTS**

*Jan Vindiš, Jana Pelclová*

### **UNHEALTHY TIME USE AND OBESITY: FINDINGS FROM SEVEN-YEAR PROSPECTIVE STUDY OF MOVEMENT BEHAVIOR IN ELDERLY WOMEN**

*Jana Pelclová, Nikola Štefelová, Jana Pechová, Zuzana Svozilová*

### **POSSIBILITIES OF SPORTS INTEGRATION IN THE LATVIAN GENERAL EDUCATION SCHOOL SYSTEM**

*Rihards Parandjuks, Ilvis Ābeļkalns*

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15:30–17:00

*Purple Hall*

## Session II

Chair: *James J. Tufano, Charles University in Prague, Czech Republic*

### **EFFECT OF VISUAL INTERVENTION ON THE MULTISTAGE 20 METRE SHUTTLE RUN TEST PERFORMANCE IN CHILDREN AGED 12–15**

*Jan Hnizdil, Josef Heidler, Martin Škopek Lenka Vojtíková*

### **IMPACT OF SEXUAL ACTIVITY AND ABSTINENCE ON PERFORMANCE IN BOXING MATCH SIMULATIONS**

*Petr Vajda, Kateřina Stražilová, Zdenko Reguli, Andrea Janíková*

### **NO EFFECT OF WARM-UP ON PEAK IMPACT FORCE OF THE REAR HAND STRIKE IN FULL-CONTACT COMBAT SPORTS**

*Vít Třebický, Jan Rudolf, Radim Pavelka*

### **PRACTISING BADMINTON SERVE WITH THE ABSENCE OF VISUAL FEEDBACK**

*Jan Carboch, Dominik Durco*

### **SECURITY CONCERNS AND CONFLICT EXPERIENCE OF PHYSICALLY DISABLED PEOPLE IN THE CZECH REPUBLIC**

*Jitka Čihounková, Alena Skotáková*

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18:30

*Hotel*

## Social Evening

*Clarion Congress Hotel Ústí nad Labem*

## THURSDAY – NOVEMBER 4, 2021

 Simultaneously interpreted from Czech (or Slovak) to English language

09:30–10:30

[Entrance Hall](#)

Posters

Chair: *Martin Škopek, Jan Evangelista Purkyně University in Ústí nad Labem, Czech Republic*

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10:30–12:30

[Red Hall](#)

Session III

Chair: *Jana Vašíčková, Palacký University Olomouc, Czech Republic*

**P-HACKING AND FISHING IN THE SPORT SCIENCE OR WHEN DO WE CREATE HYPOTHESES AND WHEN DO WE REJECT THEM?** 

*Ladislav Baloun*

**CHARACTERISTICS OF PARTICIPATION IN PHYSICAL ACTIVITIES BY PUPILS IN THE SECONDARY STAGE OF ELEMENTARY SCHOOLS IN THE ÚSTÍ NAD LABEM REGION** 

*Ladislav Bláha, Josef Heidler*

**IDENTIFICATION OF A SHOOT ON GOAL IN HANDBALL USING ACCELEROMETERS: PILOT STUDY IN A LABORATORY CONDITION** 

*Roman Cuberek, Martin Kovář*

**INTERNAL AND EXTERNAL LOAD OF SMALL-SIDED GAMES WITH USING OF GPS AND HR – MONITORING TECHNOLOGIES IN WOMEN FOOTBALL** 

*Andrea Domčeková, Jaromír Šimonek, Matúš Krčmár, Igor Bakalár*

**USAGE OF INERTIAL MEASUREMENT UNITS IN RECOGNITION OF MOVEMENT PATTERNS IN HANDBALL: REVIEW** 


*Martin Kovář, Roman Cuberek*

**MONITORING OF MUSCLE IMBALANCE, SPINE FLEXIBILITY AND SPINAL CHAINS IN ELDERLY FEMALE DURING COVID 19 – PILOT STUDY** 

*Bohumila Krčmářová, Patrik Vyhňálik, Janka Kanášová*

**IDENTIFYING AND SUPPORTING SCHOOL-AGE CHILDREN WITH MOTOR COMPETENCE DEFICITS** 

*Iva Šeflová*

**EFFECT OF LIMITATIONS CAUSED BY THE COVID-19 PANDEMIC ON FITNESS IN YOUNGER SCHOOL-AGE CHILDREN** 

*Lenka Vojtková, Lukáš Chvostek, Jan Hnízdil*

**THE RISK OF URINARY INCONTINENCE IN YOUNG NULLIPAROUS SPORTSWOMEN PRACTICING HIGH-INTENSITY PHYSICAL ACTIVITY**

*Michaela Selecká, Magdaléna Hagovská*

10:30–12:30

*Purple Hall*

## Session IV

Chair: *Jan Hnízdl, Jan Evangelista Purkyně University in Ústí nad Labem, Czech Republic*

### **XSENS – 3D MOTION TRACKING TECHNOLOGY PRESENTATION**

*Martin Röhrich (Workshop Introduction – abstract not included)*

### **VALIDITY OF LOCAL POSITIONING SYSTEM IN RELATION TO THE POSITION OF THE ANTENNAS**

*Petr Hanák, Lukáš Hrbotický, Pavel Korvas, Jana Kolářová*

### **THE EFFECT OF DIFFERENT SURFACES ON SHANK MUSCLE ACTIVITY IN BAREFOOT AND SHOD RUNNING**

*Tomáš Klein, Zdeněk Svoboda, Jana Kleinová*

### **COMPARISON OF OPTICAL SENSORS AND CHEST STRAPS ELECTRODES DURING EXERCISE**

*Pavel Korvas, Tobías Goldschmidt, Tomáš Kříž*

### **VARIABILITY AND COMPLEXITY OF GAIT IN VARIOUS OUTDOOR CONDITIONS**

*Denisa Nohelová, Lucia Bizovská, Nicolas Vuillerme, Zdeněk Svoboda*

### **OPTIMIZATION OF BIOSENSOR AND MEASURING DEVICE FOR DETERMINATION OF LACTATE AND GLUCOSE CONCENTRATION**

*Aleš Řehoř, Zuzana Sajdlová, Jan Krejčí*

### **IS THERE DIFFERENCE BETWEEN DOMINANT AND NONDOMINANT LIMBS IN LOCAL DYNAMIC STABILITY DURING GAIT?**

*Zdeněk Svoboda, Lucia Bizovská, Miroslav Janura*

### **STANDARDIZATION OF TESTS FOR TESTING OF SELECTED CORTICAL FUNCTIONS IN AN ADULT POPULATION – PROTOCOL FOR STANDARDIZATION**

*Klára Vomáčková, Jiří Nykodým, Tomáš Zdražil*

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12:30–13:30

*Cafeteria*

Lunch

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13:30–14:00

*Red Hall*

Closing Ceremony