



# SPORTS TECHNOLOGY INSTITUTE





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<http://www.elfsport.sk/>



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**Head of STI:**

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**Deputy Head of STI:** PaedDr. Aleš Dunajčík

**Secretary of STI:** Mgr. Pavel Lackovič

**Administrative staff:** Mária Dobrotová (secretary)

## General Information

In 1993 KTV FEI STU was already situated in new premises that make it the best equipped departments in SR. The department has a small and a big gymnasium, a well equipped fitness centre, a swimming pool and a bouldering wall. Nowadays, KTV FEI STU is divided into two sections: The Section of Physical Education and the Section of Physical Education Facilities Administration. The priorities of the Department of Physical Education are:

- Instruction of physical education in daily bachelor and graduate studies, instruction of physical culture according to the faculty study programme as part of university studies
- Representation of the school at university events
- Cooperation in the development of sport movement at the faculty with the faculty management, academic bodies, faculty organisations and faculty sport clubs
- Organisation of single sport events and competitions according to the schedule of sport events
- Research activity (study of results of sport sciences, publishing, preparation of education materials and innovative elements in the field of physical education and sport, participation on research projects)

The section of physical education facilities administration is in charge of physical education facilities (regulation, maintenance and control) and of economic services (business activities, marketing).

The main activity of KTV FEI STU is the subject called Physical Culture. Its aim is to obtain the optimal motion performance of the student, to make him/her understand the importance of the lifetime physical activity as one of the key factors of health, education and work performance. During the first two terms, the subject Physical Culture focuses on physical and ball games (basketball, volleyball - basic game activities of an individual, rules), and swimming (improving the individual swimming styles, training for non-swimmers). In the remaining four terms, the students can choose from collective games (basketball, floorball, football, volleyball - improving basic game activities of an individual, simple offensive and defensive combinations, simple game systems, realisation of offensive combinations, defensive combinations and game systems in a game), individual sports (badminton, swimming, table tennis, shooting, hiking, watermanship), or other activities (yoga, fitness, aerobic, self-defence). For students that are chronically ill, KTV FEI STU offers health physical education (special exercise for traumatogenic and surgical states of lower extremities, back pain; balance exercises; yoga exercises for disabled persons, diseases of spine and joints, some allergies, hypo-immunity; individual swimming and exercises in water according to the instructions of a doctor). By selection physical education, the department prepares the representation of the faculty in sport games and individual sports. In close cooperation with the subject Physical



Culture, tens of events are organised under the patronage of the Slovak Association of university sport, sport unions and associations in the Slovak Republic.

Physical education and sport are social and political necessities. It is a phenomenon that can move the whole world. The Department of Physical Education tries to mediate this phenomenon to students and employees of FEI STU and to enrich their private and professional life.

Based on the decision of the Dean of FEI STU with effect from 1st December, 2012 the name of KTV FEI STU has been transformed to Technological Institute of Sport (TIS FEI STU).

## I. STAFF

### Assistant Professors:

Mgr. Zlatica Dariusová, PaedDr. Ľubomír Ďuračka, PhD., PaedDr. Aleš Dunajčík, Mgr. Libor Jurkovič, PhD, Mgr. Barbora Kociánová, PhD., Mgr. Pavel Lackovič, PaedDr. Jana Lamošová, PhD., Mgr. Martin Májek, Mgr. Peter Miklovič, PhD., PaedDr. Vladimír Pajkoš, Mgr. Alena Suttnerová

## II. EQUIPMENT

- Fitness Centre
- Gymnasium
- Small Gymnasium
- Swimming pool
- Regeneration Centre
- Laboratory of Sport Sciences
- Climbing wall
- Martial-Arts Gym

## III. TEACHING

### III. 1 Undergraduate Study (Bc.)

Subject, semester, hours per each semester, name of the lecturer:

- **Aerobics** (1st-8th sem., 18 hours each sem.)  
A. Suttnerová
- **Badminton** (1st-8th sem., 18hours each sem.)  
V. Pajkoš
- **Basketball** (1st-8th sem., 18 hours each sem.)  
Ľ. Ďuračka
- **Basketball** (1st-8th sem., 18 hours each sem.)  
J. Lamošová
- **Bouldering** (1st-8th sem., 18hours each sem.)  
P. Miklovič
- **Bouldering** (1st-8th sem., 18hours each sem.)  
B. Kociánová
- **Outdoor activities** (1st-8th sem., 18hours each sem.)  
P. Lackovič

- **Fitness** (1st-8th sem., 18 hours each sem.)  
P. Lackovič
- **Fitness** (1st-8th sem., 18 hours each sem.)  
A. Suttnerová
- **Floorball** (1st-8th sem., 18 hours each sem.)  
B. Kociánová
- **Football** (1st-8th sem., 18hours each sem.)  
A. Dunajčík
- **Joga** (1st-8th sem., 18 hours each sem.)  
A. Suttnerová
- **Self-defence** (1st -8th sem., 18 hours each sem.)  
P. Miklovič
- **Skiing** (1st -8th sem., 18 hours each sem.)  
P. Lackovič
- **Skiing** (1st -8th sem., 18 hours each sem.)  
V. Pajkoš
- **Sports Shooting** (1st-8thsem., 18 hours each sem.)  
L. Jurkovič
- **Swimming** (1st-8th sem., 18 hours each sem.)  
L. Jurkovič
- **Swimming** (1st-8th sem., 18 hours each sem.)  
Z. Dariusová
- **Swimming** (1st-8th sem., 18 hours each sem.)  
J. Lamošová
- **Table Tennis** (1st-8th sem., 18 hours each sem.)  
M. Májek
- **Table Tennis** (1st-8th sem., 18 hours each sem.)  
P. Miklovič
- **Tennis** (1st-8th sem., 18 hours each sem.)  
A. Dunajčík
- **Volleyball** (1st-8th sem., 18 hours each sem.)  
M. Májek
- **Volleyball** (1st-8th sem., 18 hours each sem.)  
Z. Dariusová

### III. 2 Graduate Study (Ing.)

Optional Physical Education for the students in Graduate Study the same as in Undergraduate Study.

## IV. RESEARCH PROJECTS

### IV. 1 National Scientific Projects

- External on FTVŠ UK in Bratislava. Task-oriented Balance Tests in Functional Ssessment of Athletes and Individuals with Motor Control Disorders. No VEGA1/0070/11( 2011-13 ) (P. Miklovič)
- Assessment of Reaction Time and Movement Velocity (agility) Parameters by Processing Electromyographic Signals, No. VEGA 1/1177/12 (2012-2014), coordinator: P. Miklovič



## V. COOPERATION

### V. 1 Cooperation in Slovakia

- Slovak Union of Physical Culture, Bratislava
- Faculty of Physical Education, Comenius University, Bratislava
- School of Physical Education and Training, Bratislava
- Slovak Association of Academic Sports, Bratislava
- Slovak Volleyball Federation, Bratislava
- Slovak Basketball Association, Bratislava
- Slovak Olympic Committee, Bratislava
- Slovak Handball Union, Bratislava
- Slovak Gojuryu Karatedo Gojukai Association, Bratislava
- Slovak Floorball Association, Bratislava

### V. 2 International Cooperation

- Technical University Delft, The Netherlands
- Technical University Zagreb, Croatia
- Technical University of Budapest, Hungary
- Bournemouth University, UK
- Associazione Sportiva Dilettantistica EuroSportEvents, Milano, Italy

## VI. THESES

### VI. 1 Masters Theses

Masters theses supervised at the Department of Physical Education. The names of supervisors are in brackets.

none

### VI. 2 PhD Theses

none

## VII. OTHER ACTIVITIES

- Basketball College league
- Volleyball College league
- Floorball College league
- Swimming College league
- Futsal College league
- Winter camp in France, Auris en Oisans, Alp de Huez 6.1.-14.1.12
- FEI STU Table Tennis Championship - 19.3.12
- FEI STU Climbing Championship - 21.3.12
- Sports Games FEI STU - 23.-24..3.2012
- FEI STU Floorball Championship - 28.3.12
- FEI STU Streetball Championship - 3.4.12
- Joga - the way to the health of body and mind (lecture) - 5.4.12
- FEI STU Badminton Championship - 10.4.12
- STU Basketball Championship (students) - 17.4.12

- STU Swimming Championship (students) - 18. 4. 12
- STU Table Tennis Championship (students) - 18. 4. 12
- Bouldering Tournament - 30.4 - 3.5.12
- Badminton Tournament of employees FEI STU - 21..5.12
- Best student FEI STU in Badminton - May 12
- Children's Day at FEI STU - 1.6.12
- Self-defence prevention (lecture) - 3.- 5.12
- Rafting on the river Vltava - 12.6.12
- Sports Games FEI STU ( summer) - 26.-28. 9.12
- October Fest 2012 - 3.10.12
- Badminton Tournament (students vs. employees) - Students' Day - 16.11.12
- Volleyball Tournament (students vs. employees)- Students' Day - 22.11.12
- Floorball Tournament (students vs. employees)- Students' Day - 23.11.12
- Basketball Tournament (students vs. employees) - Students' Day - 27.11.12
- STU Power Lifting Championship - 27.11.12
- FEI STU Indoor Rowing Championship - 27.11.12
- St. Nicolaus Basketball Tournament - 6.12.12
- Bouldering Tournament - 10.12..12
- Christmas carp - 10.12.12
- Christmas Tennis Tournament of employees FEI STU - 18.12.12
- Christmas Badminton Tournament of employees FEI STU - 19.12.12

## VIII. MEMBERSHIP IN INSTITUTIONS/COMMITTEES

### VIII.1, Membership in National Institutions/Committees

- Member of Slovak Rowing national team (P. Lackovič)
- Coach of Slovak Rowing Federation (P. Lackovič)
- Personal coach of best Slovak golf junior player (P. Lackovič)
- Coach in Benickyhockey center (P. Lackovič)
- Member of Slovak Ice Hockey national team (A. Dunajčík)
- General secretary of committee Slovak Gojuryu Karatedo Gojukai Association (P. Miklovič)
- Member of Slovak Floorball Representation, (B. Kociánová)
- Member of floorball club FTVŠ Bratislava (B. Kociánová)
- Member of the Yoga Society (A. Suttnerová)
- Member of Slovak Equestrian Federation (J. Lamošová)
- Member of Equestrian Club Over Žilina (J. Lamošová)
- Members of Coaches Association Slovak Basket Association (L. Ďuračka, J. Lamošová)
- Coach of the volleyball club VKP (M. Májek)
- Members of University Sport Club VŠK FEI STU, (P. Miklovič, P. Lackovič, B. Kociánová, A. Dunajčík, A. Suttnerová, L. Jurkovič, J. Lamošová, M. Dobrotová (secretary))



## VIII. 2 Membership in International Institutions/Committees

- Member of Japan Karatedo Federation (P. Miklovič)

# IX. PUBLICATIONS

## IX. 1 Journals

- [1] DAŘÍČEK, M. - JAGELKA, M. - SLÁDEK, L. - HORÍNEK, F. - MIKLOVIČ, P.: Wireless Probe for Human Body Biosignals. In: Lékař a technika. - ISSN 0301-5491. - Vol. 42, No. 2 (2012), p. 42-45. (in English)

## IX. 2 Conference Proceedings

- [1] LACKOVIČ, P.: Comparison of Physical Parameters in the Preparation of Rowers on the Water. In: From Research to Practice : 17th International Conference. Bratislava, Slovak Republic, 29.-30.11. 2012. - Bratislava : Slovak University of Technology Press, 2012. - ISBN 978-80-227-3828-6. - p. 133-139. (in Slovak)
- [2] LAMOŠOVÁ, J.: Development of the Social Climate in Classes with Deferrent Study Program. In: From Research to Practice : 17th International Conference. Bratislava, Slovak Republic, 29.-30.11. 2012. - Bratislava : Slovak University of Technology Press, 2012. - ISBN 978-80-227-3828-6. - p. 140-152. (in Slovak)
- [3] MIKLOVIČ, P. - ZEMKOVÁ, E.: The Effect of Special Training Bouts on Parameters of Agility in Karate Athletes. In: From Research to Practice : 17th International Conference. Bratislava, Slovak Republic, 29.-30.11. 2012. - Bratislava : Slovak University of Technology Press, 2012. - ISBN 978-80-227-3828-6. - p. 188-194. (in Slovak)