

Reasoning of dissertation topic and competency of potential supervisor for admission onto joint LSU and TU doctoral studies in 2019

Area of research (title and code)	Biomedicine
Field of research (title and code)	Biology
Topic of research	
Institution	Lithuanian Sports University

Potential supervisor

Pedagogical and scientific degree	Name, surname	Academic position
Dr.	Audrius Sniečkus	

Short reasoning of proposed dissertation topic

Title
Reliability and validity of the reactive agility tests modified for soccer players
<p>Agility encompass the ability to rapidly change whole-body movement direction or speed (Paul et al. 2016; Sheppard & Young, 2006). It is typically tested and trained by using drills that require an athlete to navigate around a pre-planned course as quickly as possible with these pre-planned drills being closed-skill drills with no response to a stimulus (Inglis and Bird, 2016). However, in sports in which agility is an important quality, a change of direction is exclusively executed in response to unpredictable visual stimuli (e.g., opponent, teammate, and ball); therefore, agile maneuvers can not be explicitly preplanned (Sheppard & Young, 2006). This is described as reactive agility, which depend also on perceptual and cognitive processes. There is a lack of a reliable and valid tests for the evaluation of reactive agility in sports and in soccer as well. Aim of the study is to examine the construct validity and reliability of a new reactive agility test that incorporates reactive agility and multiple changes of movement direction.</p>

Audrius Sniečkus