

The 4th International Sport Science Symposium on “Sport Sciences for the Promotion of Active Life”
【Keynote lecture I】

Sport science in Germany

Walter Tokarski

Institute of European Sport Development and Leisure Studies, German Sport University Cologne, Germany

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Sciences, research and teaching have a long tradition in Germany. The first universities have already been founded in the 14th century, e.g. the *University of Cologne* has been founded in 1388. Germany is well known for the academic teaching of engineers, the formerly called “Diplom-Ingenieur”. But also German research and teaching in the field of sport science is highly recognized all over the world. First and foremost the *German Sport University Cologne* represents this academic area in Germany.

Divided into three main parts the presentation will describe (1) the structure and philosophy of science in Germany in general, (2) the history and structure of sport science in Germany and (3) – using the example of the German Sport University – research and teaching of sport science.

In Germany academic research and teaching is offered mainly by the 118 universities (Universitäten) and 182 universities of applied sciences (Fachhochschulen). At the German universities more than 2 million students are enrolled and about 38.000 professors are employed. In addition there are another 150 non-university institutions working in research (e.g. *Max-Planck-Society*, *Fraunhofer-Society*, *Helmholtz-Society* etc.).

Sport scientific teaching and research in Germany is carried out by universities. Over all there are 64 entities working in the field of sport science, most of them are departments or institutes. Only three universities run a faculty for sport science. The *German Sport University Cologne* is the only university specialized on sport science in Germany. Furthermore the federal ministry of the interior maintains two institutes in the area of sport science research: the *Institute for Applied Coaching Science Leipzig (IAT)* and the *Institute research and development of sport equipment Berlin (FES)*.

The *German Sport University Cologne* is engaged in all sub-disciplines of sport science and can therefore be seen as an example for the main subjects of teaching and research in sport science in Germany. With 9 bachelor-, 15 master- and several PhD-programmes nearly all areas of teaching in sport science are covered. The scientific research is done in 19 scientific departments and 7 interdisciplinary research and technology centres and shows the diversity of sport science research in Germany. Using the example German Sport University Cologne the diverse research topics and projects in the main fields of natural sciences & sport medicine, social sciences & humanities and training & movement sciences are presented.