

2nd International Joint Conference on Innovative Solutions in Construction Engineering and Management: 16th Lithuanian-German-Polish colloquium and 6th meeting of EURO working group Operational Research in Sustainable Development and Civil Engineering 24 May- 2nd International Workshop on flexibility in sustainable construction, ORSDCE 2017, 24-26 April 2017, Poznan-Puszczykowo, Poland

Scientific association knowledge improvement activities in Construction Technology Management field

Piotr Nowotarski^{a*}, Jerzy Paślawski^a, Łukasz Pluciński^a

^a*Poznań University of Technology, Plac Marii Skłodowskiej-Curie 5, 60-965 Poznań, Poland*

Abstract

The scientific association is an organization of students working in a higher education institution, whose purpose is the scientific and self-education of its members. Scientific circles can function as informal groups and as registered structures. The official condition of the existence of a circle at many universities is its enrollment in the special register of student organizations. Some circles gain a lot of independence by registering in court - but then they should be treated as non-governmental organizations.

At the Poznań University of Technology there are currently 87 officially registered scientific circles, of which 7 are in the Faculty of Civil and Environmental Engineering. One of the circles that focuses on innovative technologies in building management is the Construction Innovations academic association.

The paper presents a brief description and main interests of the ConInno scientific group, including the most important from the perspective of construction technology and the management of undertaken activities aimed at broadening the knowledge of students enrolled in the circle.

In addition, the article explores interest in participating in the research circle by analyzing historical data on the number of people enrolled in the scientific field, including students of the third degree studies, to draw conclusions about future interest in participating in the mentioned student organization.

Association activity has a very positive impact on raising the awareness and knowledge of members of the organization in the field of construction technology and management not only related to Polish local technological and technical solutions, but also to the world because of the number of foreigners who are in the circle. What is more, there is a positive impact on the promotional work of students from the ConInno circle, which is a direct result of the close cooperation and a good atmosphere in the organization between students and tutors.

© 2017 The Authors. Published by Elsevier Ltd.

Peer-review under responsibility of the scientific committee of ORSDCE 2017.

* Corresponding author. Tel.: +48616652190; fax: +48616652190.

E-mail address: piotr.nowotarski@put.poznan.pl

Keywords: Scientific association; ConInno; construction technology and management; CTM; Poznan University of Technology

1. Introduction

The scientific association is an organization of students working in a higher education institution, whose purpose is the scientific and self-education of its members. Scientific circles can function as informal groups and as registered structures. The official condition of the existence of a circle at many universities is its enrollment in the special register of student organizations. Some circles gain a lot of independence by registering in court - but then they should be treated as non-governmental organizations [1].

Association activities have a very positive impact on raising the awareness and knowledge of members of the organization in the field of interests and has influence on the future career of the students. Such organizations are very much needed in higher education institutions and they raise the quality of education and open the horizons for new solutions.

The aim of the article is to present the student associations role in the university life with brief description of the most important ones actively working at the Faculty of Civil and Environmental Engineering at Poznan University of Technology with the focus on actions related to Construction Technology and Management field. What is more authors present the scientific work that is associated with the actions taken by Construction Innovations Associations which is directly related to construction sector and civil engineering and since 2011 is growing steadily.

2. Role of students organizations

Students organization plays important role in education process and most universities accepted the role of student organizations as beneficial to both students and the university itself [2]. For the students they can provide an informal support structure, guidance and friendship while studying at the universities [3]. Participation in a student group for young people is a good way to ignore position and power hierarchy, which are replaced by collegiality and dedication to achieve both academic and professional success. This is especially important since for many students, education does not simply mean obtaining a university degree and, consequently, a good job. There is also a need to attain personal satisfaction and a sense of responsibility for the community in which one lives [4].

Recent studies showed [5] that attending the additional meeting where students who were engaged in extracurricular student organizations rated themselves higher on both leadership traits and behaviors than those who were not involved in student organizations. Other studies presented [6] greater academic and social support, greater confidence in the institutional environment, and increased contact with faculty that influence directly not only the student but the university.

From the universities perspective creation of academic association is increasing of social responsibility of universities for improvement of the quality of higher education and development of students' socio-professional values [7]. They provide add-value because they are an example of informal learning that are a good supplement of the formal education. According to many studies and theorists [8], learning outside the formal environment greatly affects the performance and acquisition of knowledge [9], which at the end influence not only the students, but the level and in consequence the rank of the university.

It should be also noted that student's organizations may provide a successful tool in accelerating the development towards aware and motivated students [10]. Its members may play an active part in the transformation towards a sustainable society [11] and causes the student to enter, even if unconsciously, a learning network [12], which, by the contacts with other persons interested in the same field can result in easier job find after finishing the studies.

Download English Version:

<https://daneshyari.com/en/article/7226959>

Download Persian Version:

<https://daneshyari.com/article/7226959>

[Daneshyari.com](https://daneshyari.com)