Poster “Gender gap in the STEM sector in pre and university studies of Europe associated with ethnic factors” in TEEM 2018

Sonia Verdugo-Castro
GRIAL Research Group,
Research Institute for Educational Sciences, University of Salamanca 37008, Salamanca, Spain
soniavercas@usal.es

Abstract
The TEEM 2018 Conference was held in Salamanca (Spain) from October 24 to October 26, 2018. The Doctoral Consortium track was organized as a poster session. This is the poster corresponding to the paper “Gender gap in the STEM sector in pre and university studies of Europe associated with ethnic factors”.

The ground-breaking current project builds on the latent gender gap in the education sector in the areas of Science, Technology, Engineering and Mathematics (STEM). The objective of the paper is to present the thesis Project, which addresses the study of the causality of this gap, associating the possible relationship with gender roles and stereotypes assumed, together with cultural factors, such as the origin of the person. This paper describes the research project to study this situation and establish new fieldwork, using a mixed methodology, taking into account the specific variables and dimensions. In this fieldwork, we want young people between the ages of 16 and 30 to tell their story. From the evaluation of the current situation through the sequential mixed exploratory research method and from the longitudinal cohort to be carried out with the target population, palliative measures can be derived to reduce the gender gap. The project will be carried out in three phases: preparation, research, and evaluation, each of which will be carried out using different techniques and instruments. The data collected will help to identify the relationship between the gender gap and ethnic and racial factors. Finally, it can be concluded that in order to generate and achieve equal representation, one must first know the motivation and interests of people, which lead to different decisions being made and being able to work on them.

Keywords
Gender gap, ethnicity, gender roles, inclusive digital society

Link to the poster
https://goo.gl/vbHy2q

Acknowledgments
This research work has been carried out within the University of Salamanca PhD Programme on Education in the Knowledge Society scope (http://knowledgesociety.usal.es) and was supported by the Spanish Ministerio de Ciencia, Inovación y Universidades under a FPU fellowship (FPU017/01252).

References
[13] S. Cheryan et al. 2015. Cultural stereotypes as gatekeepers: increasing girls’ interest in computer science and engineering by diversifying