Psychology, broadly understood, is a very important foundation for education of both students and future teachers. This is the second time that we are preparing a special edition of Psychological Studies devoted to this topic. This edition includes a collection of review articles and empirical reports which mostly the results of cooperation of SWPS University of Humanities and Social Sciences with network/community of teachers ROSE. This cooperation began with project ‘education with internet tp’ in 2004. As a result of this project, the concept of using psychology and widely understood social sciences to carry out positive and lasting changes in education was created. These changes are based on theories from social psychology, motivation and cognitive psychology. The publications included in this issue illustrate some of these applications.

Andrzej Nowak and his colleagues present the concept of the Regulatory Theory of Social Influence and, from the perspective of this theory, discuss the principles of organization of the ROSE community. This is an example of a decentralized, distributed organization that at the same time functions efficiently, because of a high degree of trust and cooperation. Authors discuss how the ROSE community was founded and how the psychological knowledge of social influence mechanisms can support the creation of social innovations involving the change of attitudes, motivations and behaviors in the area of education.

The role of education in the area of new technologies is presented in the text „Changes in Cognitive Curiosity and Technology Acceptance in Teaching Mathematics after Training in the GeoGebra Software”. Authors present the results of an empirical study with participation of mathematics teachers who decided on taking an e-learning training in the use of the GeoGebra software. It was observed that, during the process of training, not only the technical competence and acceptance of the use of technology increased, but also interesting changes in the area of cognitive curiosity were observed. At the same time, there was no simple translation between the growth of technical skills and increases in curiosity. The article discusses possible explanations of these results.

The article „Searching for student paths” by Daniel Wojcik shows how important it is to adequately approach the students. The author believes that it is necessary to use all means to reach to the students and teach them skills and not to remain in an fixed position for years, requiring students to adapt to the methods imposed by teachers. The aim of his research is to confirm the thesis about the benefits of the “tube formula” and an attempt to formulate general principles which would help in choosing the tasks used in its application.

The special edition ends with an article by Karolina Ziembowicz, which is a review of existing literature on mental models with particular emphasis on methods for diagnosis of
various methods of knowledge representation and concept-based learning experiences. Knowledge about how the mental models are created and how they function can improve the effectiveness of school teaching, especially in such abstract fields of knowledge such as mathematics.

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