

NEW TRENDS IN STEM EDUCATION OF THE 21ST CENTURY

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DESCRIPTION

We are living in the fourth industrial revolution and “on the cusp” of the fifth one. Industry 5.0 is accepted as a gradual process, and changes are necessary to respond to the effects of the Industry 4.0 transformation. The way we live as people and as society has to be adjusted. Education is changing dramatically and different skills and goals are being set to fulfill the demands of society. Educators are asked to raise individuals to enrich the labor force, and to contribute to the economic, social, technological and scientific developments the society demands. This is where STEM (Science, Technology, Engineering and Mathematics) education takes the stand. Students’ learning experiences in STEM courses provide sustained growth in the acquisition of a deeper knowledge of those courses’ contents. STEM education promotes the development of the right skills during and beyond graduation.

SCOPE

This special issue addresses the implications of this Industry era in educational research and practices, and on novel teaching methodologies. The latter leverage learner-centered knowledge, engaging campus stakeholders in creating curricula and assessments, to provide a high-quality education for all students.

HOW TO SUBMIT

This topical issue will publish original research and review papers (approximately 4,000-10,000 words). Articles submitted must not have been published previously or under consideration for publication, though they may represent significant extensions of prior work. All submitted papers will go through a rigorous single-blind peer review process (with at least two reviewers).

The authors are kindly invited to submit their contribution via online submission system Editorial Manager available at <https://www.editorialmanager.com/openedu/default.aspx>. Please select the Category “New Trends in STEM Education” to ensure that the manuscript is processed by the Guest Editors.

Before completing their manuscript, authors should carefully read over the journal’s Author Guidelines, which are located at https://www.degruyter.com/view/supplement/s25447831_Instruction_for_Authors.pdf

In case of any questions, please contact the Editorial Office at openeducation@degruyter.com

TIMELINE

Deadline for article submission: **July 31, 2020** (via journal submission system <http://www.editorialmanager.com/openedu>).

Planned publication: **September 2020** (articles will be published upon being accepted on an ongoing basis).