

INNOVATIVE TEACHING METHODOLOGIES

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DESCRIPTION

This is the fourth edition of this Workshop, devoted to the exchange of the best teaching practices and experiences in Engineering Courses. The goal is to better understand the current conceptualization of pedagogy and review current practices, which could enhance students' knowledge, and consequently improve learning outcomes.

ARTICLES

Re-imagining the Pedagogical Paradigm Within a Technology Mediated Learning Environment

Ken Brown, Viola Larionova, Natalia Stepanova, Vic Lally

doi.org/10.1515/edu-2019-0009

Mvgen: Multi Version Question Generation for Math Courses

Irene Brito, José João Almeida, Gaspar J. Machado

doi.org/10.1515/edu-2019-0010

The Infinite Learning Chain. Flipped Professional Labs for Learning and Knowledge Co-Creation

José Antonio Gordillo Martorell, Javier Martin-Torres, María-Paz Zorzano Mier, Thasswin Mathanlal,

David Cuartielles, Mattis Johansson

doi.org/10.1515/edu-2019-0011

Development of a Mathematics On-line Project in Engineering Education

Filomena Soares, Ana Paula Lopes, Anna Cellmer, Anne Uukkivi, Carolina Rebollar,

Concepcion Varela, Cristina Feniser, Elena Safiulina, Eugenio Bravo, Gerald Kelly, Javier Bilbao,

Joanna Cymerman, Ken Brown, Marina Latõnina, Oksana Labanova, Olatz Garcia, Vlad Bocanet

doi.org/10.1515/edu-2019-0019