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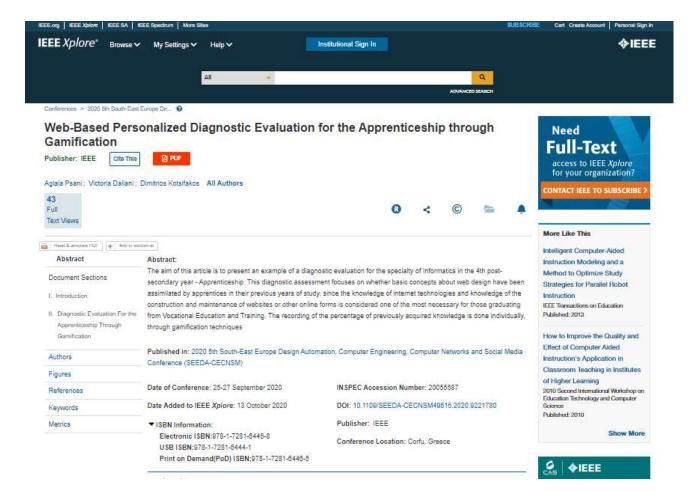
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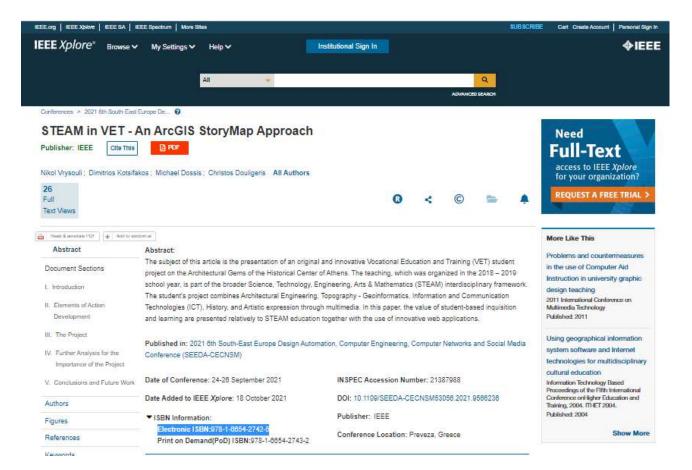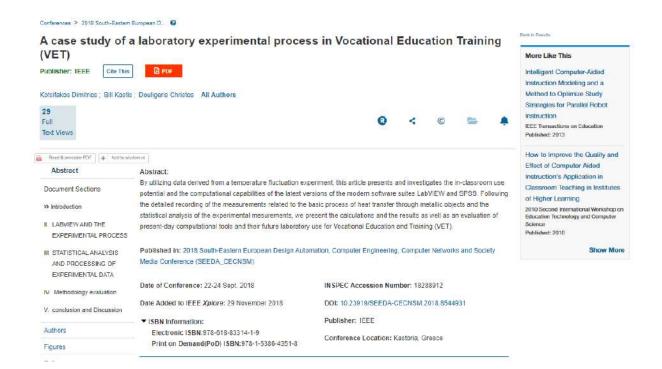
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IV. Methodology evaluation	Date of Conference: 22-24 Sept. 2018
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INSPEC Accession Number: 18288912

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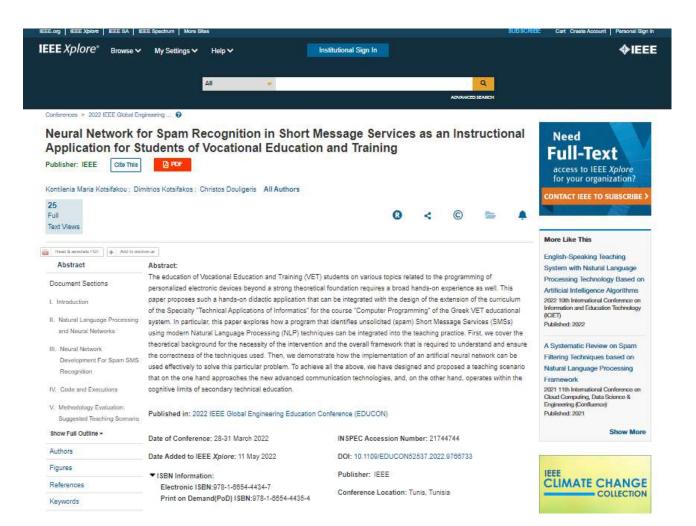
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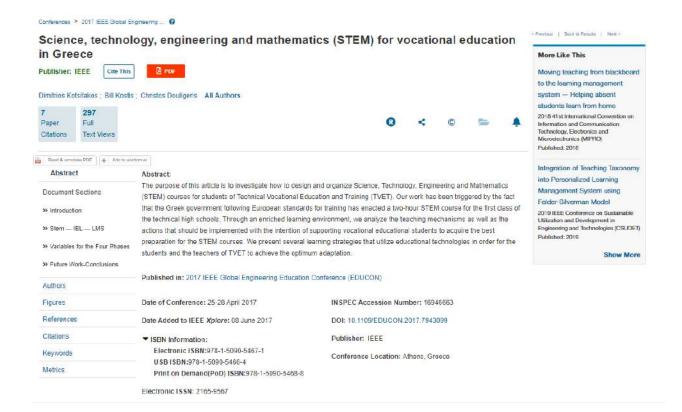
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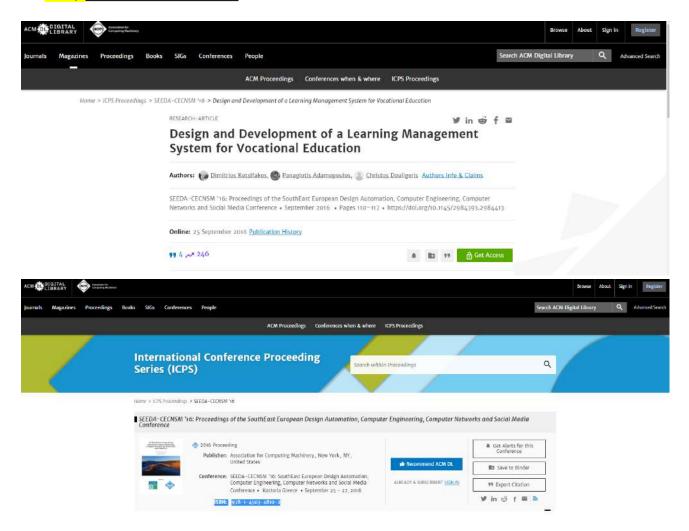
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The purpose of this article is to investigate how to design and organize Science, Technology, Engineering and Mathematics (STEM) courses for students of Technical Vocational Education and Training (TVET). Our work has been triggered by the fact that the Greek government following European standards for training has enacted a two-hour STEM course for the first class of the technical high schools. Through an enriched learning environment, we analyze the teaching mechanisms as well as the actions that should be implemented with the intention of supporting vocational educational students to acquire the best preparation for the STEM courses. We present several learning strategies that utilize educational technologies in order for the students and the teachers of TVET to achieve the optimum adaptation.

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DOI: 10.1109/EDUCON.2017.7943099

Publisher: IEEE

Conference Location: Athens, Greece

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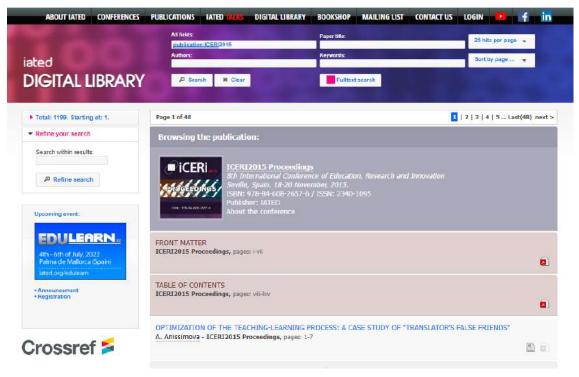
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