

Accepted Manuscript

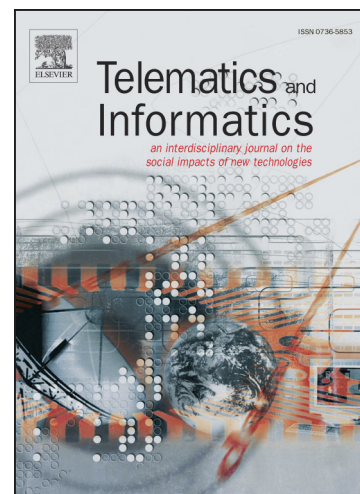
Ubiquitous Learning: A Systematic Review

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PII: S0736-5853(17)30827-4
DOI: <https://doi.org/10.1016/j.tele.2018.01.009>
Reference: TELE 1066

To appear in: *Telematics and Informatics*

Received Date: 1 December 2017
Revised Date: 19 January 2018
Accepted Date: 21 January 2018



Please cite this article as: Cárdenas-Robledo, L.A., Peña-Ayala, A., Ubiquitous Learning: A Systematic Review, *Telematics and Informatics* (2018), doi: <https://doi.org/10.1016/j.tele.2018.01.009>

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Declaration of interest

Both authors Adriana Cárdenas-Robledo and Alejandro Peña-Ayala solemnly assert:

“Declarations of interest: none”

1. Introduction

U-learning¹ is a relatively young field in which different disciplines converge such as education, pedagogy, psychology, computer sciences, information and communication technology, and cognitive sciences. Numerous and novel approaches have been conducted during the present decade that have enriched the body of knowledge in this promising arena, where the applications support learning activities with the goal of improving students' learning achievements anytime, anywhere, and anyway (Author1, 2016).

¹ *AR*: Augmented reality; *CV*: confidence value; *DK*: domain knowledge; *GPS*: geographical positioning system; *m-learning*: mobile learning; *p-learning*: pervasive learning; *PDA*s: personal digital assistants; *PULA*: Pattern for u-learning approaches; *QR*: Quick response code; *RFID*: Radio frequency identification; *STEM*: Science, technology, engineering, and math; *TULA*: Taxonomy for u-learning approaches; *u-learning*: ubiquitous learning.

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