

Presentation

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The 36th edition, corresponding to the first semester of 2017, includes nine of the articles postulated to the call closed on August 20, 2016, from Colombian universities (of Manizales, of Caldas, Catholic of Pereira and Pedagogical and Technological of Colombia), Argentine (National of La Plata), Cuban (of Matanzas 'Camilo Cienfuegos' and Higher Metallurgical Institute of Moa 'Dr. Antonio Núñez Jiménez), Ecuadorian (State Amazonian), Paraguayan (Catholic 'Our Lady of the Assumption) and Venezuelan (Simón Bolívar), besides the Colombian 'Agustín Codazzi' Geographic Institute and the Mexican Center for Research in Food and Development, AC

This edition is distributed as follow:

It begins with the performance analysis of queries with sorting and grouping based on fuzzy attributes Type 3, authorship of Carrasquel, Coronado, Monascal, Rodríguez and Tineo, which show that in fuzzydoDB, for ORDER BY queries, as the performance of diffuse ordering is better than that of the precise ordering for labels, which because it is ordered based on degrees of similarity (which are numerical values) and not on strings (with higher cost of comparison). These results are encouraging to continue working on supporting fuzzy attributes.

Next, Espín, Salazar, Jara and García show the evaluation of the use of ICT as tools for the management of the tourist sector of the Ecuadorian province of Pastaza, specifically in the hotels of Puyo and Shell, finding a low use of the systems Hoteliers

Then, Quevedo, Vega and Fonseca describe the methodologies, participants, instruments, as well as the benefits and limitations of the use of WiFi, GPS and CDR technologies in the collection of mobility data, complementary to the household survey.

Next, a procedure to ease the identification of evaluators in journals managed with the Open Journal System (OJS) is presented

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by Barrera, Montero and Rodríguez, whose applicability and effectiveness were evidenced in the journal *Mining & Geology*.

Later, González proposes a set of necessary transformations in the computer knowledge to be taught and appropriated by the students, in a growing spiral of development to know wise - to know taught - to know learned.

Line followed, Vera, Rodríguez and Martínez relate the cultural capital of university students with ICT skills, using a methodology adapted from the proposal by Bourdieu, which analyzes the cultural capital made up of school capital and family capital. The results show that students with favorable cultural capital characteristics (heirs) have a higher ICT domain and generate significant differences compared to vulnerable groups.

Then, Chaparro and Ballesteros present a study oriented to the characterization of digital basic competences 2.0 in the use of the Moodle platform by a group of teachers of a technological educational institution, showing the importance of their pedagogical training for the successful Incorporation of ICT in educational processes.

Next, despite the economic investment required to equip a classroom with technology, specifically robotics, coupled with adequate pedagogical processes, Murcia, Henao and Arenas show that the benefits achieved in teachers and students are greater, when achieving a transformation of mathematical thinking that also strengthens abstract thinking skills necessary for other areas.

To close the articles section, Giraldo and Vega intend to approach the reality of the record industry from academia and intellectual property, being one sector with the greatest changes due to the technological boom in their processes, especially of circulation, access and consumption ... moving from the physical disk to the distribution of files online, reaching individual songs (often for free) instead of albums, the belief that existence on the Internet infers absolute availability, become challenges for the current academic musician.

Then, at the end of the edition, the editorial policies are presented, seeking to ease participation, as well as the list of articles published in the last 10 issues.

It is important to thank the authors, referees, members of committees and other people who make possible the continuity of this project, complying with principles of quality, periodicity, openness and academic collaboration, despite the marked monopolistic tendency in the diffusion / dissemination of techno-scientific production.

It is only necessary to reiterate the invitation to participate actively, promoting the use and dissemination of this edition to its community and postulating its articles, considering that the call is kept open, with cuts on February 20 and August 20, for the July-December and January-June editions, respectively, because:

Someone is in need of information you are willing to provide, you are in need of information that someone is willing to provide... VENTANA INFORMÁTICA remains open for information to flow in both directions.