The **19th edition the International Conference on Cognition and Exploratory Learning in Digital Age (CELDA 2022)** was held in Lisbon, Portugal, from 8 to 10 November 2022.

This conference was organized by the International Association for Development of the Information Society.

The CELDA conference tries to address the foremost issues of concern within the evolving learning processes and supporting pedagogies and applications in the digital age. There had been advances in both cognitive psychology and computing that have affected the educational arena. The convergence of these two disciplines is increasing at a fast pace and affecting academia and professional practice in many ways. Paradigms such as just-in-time learning, constructivism, student-centered learning and collaborative approaches have emerged and are being supported by technological advancements such as simulations, virtual reality and multi-agents systems. These developments have created both opportunities and areas of serious concerns. This event covered both technological as well as pedagogical issues related to these developments. Main topics have been identified. However innovative contributions that do not easily fit into these areas were also considered as long as they were directly related to the overall theme of the conference – cognition and exploratory learning in the digital age.

The CELDA 2022 Conference received 63 submissions from more than 25 countries. Each submission was reviewed in a double-blind review process by at least two independent reviewers to ensure quality and maintain high standards. Out of the papers submitted, 35 were accepted as full papers for an acceptance rate of 56%; 17 were accepted as short papers and 3 were accepted as reflection papers.

Authors of the best published papers in the proceedings of CELDA 2022 were invited to publish extended versions of their papers in:

- A book from Springer

In addition to the presentation of full, short and reflection papers, the conference also included one keynote presentation by Professor Laura Hirsto, University of Eastern Finland, Finland.
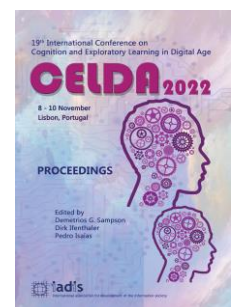
Keynote Presentation:

"LEARNING ANALYTICS IN SUPPORTING TEACHING AND LEARNING – PEDAGOGICAL PERSPECTIVES"

by Professor Laura Hirsto, University of Eastern Finland, Finland

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