

Smart Innovation, Systems and Technologies

Volume 908

Series Editors

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Mihai Dascalu · Patrizia Marti · Francesca Pozzi
Editors

Polyphonic Construction of Smart Learning Ecosystems

Proceedings of the 7th Conference on Smart
Learning Ecosystems and Regional
Development

 Springer

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Preface

After the shock of the pandemic, learning ecosystems—and in particular schools, universities, and territorial learning communities—all over the world—are facing a new phase characterized by the search for and the experimentation of ways to their “**new normality**”. This is within a world that seeks to protect and incentivize the economic recovery and to find a social and political solidity that still seems far to be achieved. These proceedings contribute to the ongoing scientific debate about such transition, by focusing on the notion of learning ecosystems and reflecting on the way they are changing, between face-to-face, online, and hybrid settings. The main aim is to understand how such changes may be related to the achievement of “a better learning for a better world” as a contribution to the United Nations 2030 Agenda for Sustainable Development Goals (SDGs) and how they will contribute to the reduction of inequalities and to the empowerment of each individual, according to her/his expectations and talents. In particular, the research results presented here cover different dimensions, targeting various contexts (from school to university), different technological solutions (e.g., digital games, automated systems, e-learning environments), and different involved stakeholders (i.e., students, teachers, school principals, parents, communities).

SLERD 2022 was a hybrid event organized by the University Politehnica of Bucharest, Romania, with the partnership of ASLERD (Association for Smart Learning Ecosystems and Regional Development) an international non-profit interdisciplinary and scientific-professional association committed to support learning ecosystems to get smarter and play a central role to regional development and social innovation. The University of Aveiro, Portugal, represented by its DigiMedia Research Group, also plays a central role in the co-organization of this SLERD hybrid edition.

Received submissions had authors from 14 different countries including EU member states (i.e., Austria, Belgium, Estonia, Finland, France, Italy, Portugal, and Romania), India, Iraq, Palestine, Serbia, UK, and USA, an indicator of the global interest and partnership in the promoted topics. After a rigorous double-blind peer-review and meta-review process, 14 full papers were accepted to be included in SLERD 2022 conference proceedings, published by Springer, in the

Series Smart Innovation, Systems and Technologies. We believe these proceedings are relevant for researchers, post-graduate students, teachers, designers, and policymakers concerned with learning ecosystems, methods, and empirical evidence of alternatives for post-pandemic learning scenarios.

It has been an honor to belong to this scientific community and serve as the publishing chair in this SLERD edition, with a final selection of papers that represent the excellence of all the authors' work, coupled with rigor throughout the decision and publishing processes. Much of this work would not have been possible without the effort and support of our Conference and Program Committees, which included 40 international expert researchers. We would like to thank them all, for their time to organize the event with enthusiasm and commitment.

Bucharest, Romania
Siena, Italy
Genova, Italy
May 2022

Mihai Dascalu
Patrizia Marti
Francesca Pozzi

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Mihai Dascalu is a professor at University Politehnica of Bucharest with a strong background in Computer Science applied in Education. He has extensive experience in national and international research projects with more than 200 published papers, including 30+ articles at top-tier conferences, 100+ papers indexed ISI at renowned international conferences, and 10+ Q1 journal papers. Complementary to his competencies in NLP, technology-enhanced learning and discourse analysis, Mihai holds a multitude of professional certifications and extensive experience on strategic projects on non-refundable funds. Moreover, Mihai has obtained a Senior Fulbright scholarship in 2015, has become a Fulbright ambassador since 2018, and holds the US patent. Mihai is also a corresponding member of the Academy of Romanian Scientists.

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Francesca Pozzi is a lead researcher at the Istituto Tecnologie Didattiche (ITD)—CNR (Consiglio Nazionale delle Ricerche), where her main research area is the theory and practice of Technology Enhanced Learning (TEL). In particular, her main research interests include learning design; collaborative learning; computer

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