

1. Record Nr.	UNINA9910255145403321
Titolo	Competencies in Teaching, Learning and Educational Leadership in the Digital Age : Papers from CELDA 2014 // edited by J. Michael Spector, Dirk Ifenthaler, Demetrios G. Sampson, Pedro Isaías
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-30295-7
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XXII, 363 p. 42 illus., 27 illus. in color.)
Disciplina	371.33
Soggetti	Educational technology Learning Instruction Educational Technology Learning & Instruction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Preface -- 1. Reflections on the Future of Instructional Design Research -- Part I. A Global Conversation about Competencies and Challenges for 21st Century -- 2. Competencies Challenges, and Changes: A U.S. Perspective on Preparing 21st Century Teachers and Leaders -- 3. Initiation and Implementation: Changes to Teacher Education in Ireland -- 4. Digital Learnings and Digital Teachers: Challenges, Changes and Competencies -- 5. Pre-service Teachers' Perceptions of School Development -- Part II. Changing Learning and Instructional Paradigms -- 6. School Analytics: A Framework for Supporting School Complexity Leadership -- 7. Improving Content Area Reading Comprehension with 4-6th Grade Spanish ELLs Using Web-based Structure Strategy Instruction -- 8. Teachers' Readiness, Understanding and Workload in Implementing School Based Assessment -- 9. Digital Storytelling: Emotions in Higher Education -- Part III. Assessments and Analytics for Teachers and Decision Makers -- 10. Addressing Standardized Testing Through a Novel Assessment Model -- 11. An EVS Clicker-based Assessment for Radical Transparency in Marking Criteria -- 12.

Assessing the Level of Collaborative Writing in a Wiki-based Environment: A Case Study in Teacher Education -- 13. Student-centered Analytics for Postsecondary Education -- 14. Computational Thinking: Toward a Unifying Definition -- Part IV. Changing Tools and Learning Environments -- 15. Designing the Flipped Classroom in Higher Education -- 16. Design4Practice: Scenario for Improving Management Education -- 17. Informal Learning for Possible Science Selves -- 18. Project 'Flappy Crab': An Edugame for Music Learning -- 19. Educational App Creation for the Cathedral in Freiburg -- 20. An Approach to Designing and Implementing Intelligent Tutors in Immersive Virtual Environments -- 21. A Synthesizing Look Forward in Teaching, Learning and Educational Leadership in the Digital Age -- Index.

---

## Sommario/riassunto

This book makes a contribution to a global conversation about the competencies, challenges, and changes being introduced as a result of digital technologies. This volume consists of four parts, with the first being elaborated from each of the featured panelists at CELDA (Cognition and Exploratory Learning in the Digital Age) 2014. Part One is an introduction to the global conversation about competencies and challenges for 21st-century teachers and learners. Part Two discusses the changes in learning and instructional paradigms. Part Three is a discussion of assessments and analytics for teachers and decision makers. Lastly, Part Four analyzes the changing tools and learning environments teachers and learners must face. Each of the four parts has six chapters. In addition, the book opens with a paper by the keynote speaker aimed at the broad considerations to take into account with regard to instructional design and learning in the digital age. The volume closes with a reflective piece on the progress towards systemic and sustainable improvements in educational systems in the early part of the 21st century.

---