

1. Record Nr.	UNINA9910255133603321
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Titolo	Learning Path Construction in e-Learning : What to Learn, How to Learn, and How to Improve // by Fan Yang, Zhenghong Dong
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2017
ISBN	9789811019449 9811019444
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIII, 153 p. 54 illus.)
Collana	Lecture Notes in Educational Technology, , 2196-4971
Disciplina	371.334
Soggetti	Educational technology Learning, Psychology of Education - Data processing Digital Education and Educational Technology Instructional Psychology Computers and Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Educational Theory -- Technical Definition and Concepts -- Fundamental Theories and Development Tools -- How to Learn? -- What to Learn? -- How to guarantee Learning Quality? -- Implementation and Results -- Conclusion and Prospect.
Sommario/riassunto	This book focuses on developing methods for constructing learning paths in terms of "learning resources" (learning contents), "learning approaches" (learning method), and "learning quality" (learning performance) to support learning. This book defines different teaching approaches for learning activities and organizes them into a learning path which indicates the learning sequence. This book introduces how to automatically generate well-structured learning resources for different students. Also, this book introduces a method about how to generate adaptive learning approach to learn learning resources for different students. Finally, this book introduces a method to monitor and control learning quality. The adaptive learning path expresses well-structured learning contents, using which approach to access those learning contents, and in which sequence to carry out the

learning process. The learning path comes with a monitoring tool to control the learning progress, which helps to make students having a balanced development on different knowledge and abilities.

Researchers who worked in E-learning area, both education and computer sciences people. Educators who worked in educational institutes, such as Universities, Schools, etc. They would like to use or study E-learning tools/technologies/methods in their own work. And technicians who run/design educational websites will understand the appeal of this work.
