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Autore	Turáni Milan
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Nota di contenuto	Introduction -- Authoring Tools and Content Development -- Web Based Learning, Wikis and Blogs -- E-learning Platforms, Portals -- Digital Libraries for E-learning -- Multimedia and E-learning -- Mobile Learning -- Massive Online Open Courses -- Ontologies and Meta-Data Standards -- Emotional State in Education Process Identified using Internet of Things -- Blended and Collaborative Learning -- Modeling of Educational Activities -- Personalized and Adaptive E-learning -- Assessment Methods in Blended Learning Environments -- Education Supported Smart Technologies -- Pedagogy Enhancement with E-learning -- Ubiquitous Learning Environments and Applications -- Technology Enhanced Learning -- Virtual Labs and Virtual Classrooms -- E-learning Success Cases -- Web Information Filtering and Retrieval -- Web Data Mining -- Knowledge Discovery and Data Analysis -- Meta-Knowledge Discovery and Representation -- Personalized Web Sites and Services -- Natural Language Processing --

Information Retrieval and Extraction -- Educational Data Mining -- Learning Analytics -- Text Mining -- Internet of Things and Intelligent Systems -- Artificial Intelligence and Internet of Things -- Machine Learning for Internet of Things -- Conclusion.

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#### Sommario/riassunto

The book presents the proceedings of the 15th DIVAI (Distance Learning in Applied Informatics) Conference, an international scientific event that focuses on the field of distance learning in applied informatics. The 15th edition of the conference took place from September 30 to October 2, 2024. The conference is held under the patronage of the Dean of the Faculty of Natural Sciences and Informatics, Constantine the Philosopher University in Nitra. The proceedings are relevant to researchers, academics, professionals, and students in distance learning and applied informatics. Presents the proceedings of the 15th DIVAI Conference (Distance Learning in Applied Informatics); Focuses on blended and collaborative learning, modeling of educational activities, and adaptive e-learning; Relevant to researchers, academics, professionals, and students in distance learning and applied informatics.

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