E-learning plays a significant role in education, and its importance increases day by day. Learning environments can take a myriad of distinct forms. Learning management systems (LMS) have emerged as an important platform to support effective learning environments. Learning management systems are used throughout higher education institutions (HEI) and the need to know and understand its adoption and usage arises. However, there is a lack of information about how LMS are being used, which are the most adopted, whether there is a country adoption standard and which countries use more LMS.

Higher Education Institutions and Learning Management Systems: Adoption and Standardization provides insights concerning the use of learning management systems in higher education institutions and aims to increase understanding of LMS adoption and usage, providing relevant academic work, empirical research findings and an overview of LMS usage in higher education institutions all over the world.

Topics Covered:

- Emerging and Best Practices in LMS Adoption and Usage
- Evaluation of LMS
- Evaluation of LMS Adoption
- Evaluation of LMS's Students' Usage
- Evaluation of LMS's Tutor Usage
- LMS Impact Studies
- LMS on Higher Education Institutions

**Rosalina Babo** (ISCAP-IPP, Portugal) and Ana Azevedo (ISCAP-IPP, Portugal)

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Section 1: Generalities and Perspectives

Chapter 1
General Perspective in Learning Management Systems
Folden Robert W. (Texas A&M University-Commerce, USA)

Chapter 2
Knowledge Sharing in a Learning Management System Environment Using Social Awareness
Kekwaletswe Ray M. (Tshwane University of Technology, South Africa)

Chapter 3
Learning 2.0:
Connolly Thomas (University of the West of Scotland, UK)
Gould Carole (University of the West of Scotland, UK)
Baxter Gavin (University of the West of Scotland, UK)
Hainey Tom (University of the West of Scotland, UK)

Section 2: Implementing and Evaluating

Chapter 4
Evaluations of Online Learning Activities Based on LMS Logs
Lam Paul (The Chinese University of Hong Kong, Hong Kong)
Lee Jack (The Chinese University of Hong Kong, Hong Kong)
McNaught Carmel (The Chinese University of Hong Kong, Hong Kong)

Chapter 5
ANGEL Mining
Swanger Tyler (Yahoo! & The College at Brockport: State University of New York, USA)
Scime Anthony (The College at Brockport: State University of New York, USA)

Chapter 6
Critical Factors Influencing Instructors’ Acceptance and Use of Learning Management Systems
Al-Busaidi Kamla Ali (Sultan Qaboos University, Oman)
Al-Shihi Hafedh (Sultan Qaboos University, Oman)

Section 3: Trends and Challenges

Chapter 7
A Comparative Study on LMS Interoperability
Leal José Paulo (CRACS/INESC-Porto & DCC/FCUP, University of Porto, Portugal)
Quinisísc Ricard o (CRACS/INESC-Porto & DI/ESIiG/IPP, Porto, Portugal)

Chapter 8
Mobile Learning Management Systems in Higher Education
Sampson Demetrios G. (University of Piraeus & Informatics and Telematics Institute, Greece)
Zervas Panagiotis (University of Piraeus & Informatics and Telematics Institute, Greece)

Section 4: Case Studies

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Disability Standards and Guidelines for Learning Management Systems:
Moreno Lourdes (Universidad Carlos III de Madrid, Spain)
Iglesias Ana (Universidad Carlos III de Madrid, Spain)
Calvo Roque (Universidad Carlos III de Madrid, Spain)
Delgado Sandra (Universidad Carlos III de Madrid, Spain)
Zaragoza Luis (News Service, Radio Nacional de España, Spain)

Chapter 11
The Technological Advancement of LMS Systems and E-Content Software
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