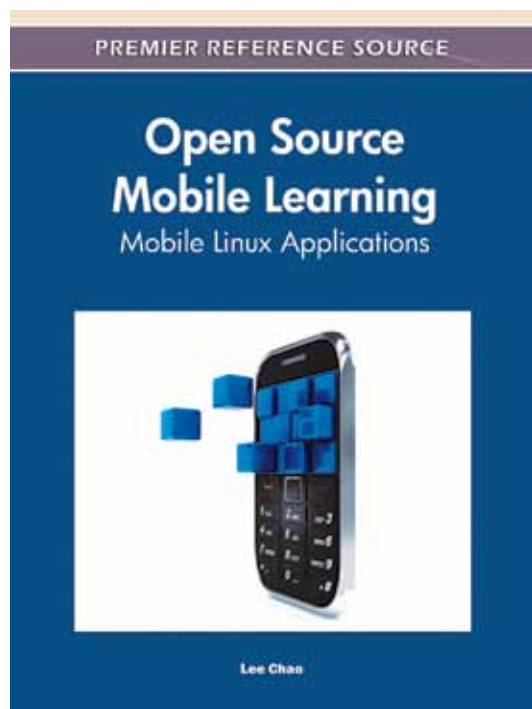


# An Excellent Addition to Your Library!

Released: June 2011

## Open Source Mobile Learning: Mobile Linux Applications



ISBN: 9781609606138; © 2011; 348 pp.

Print: US \$180.00 | Perpetual: US \$255.00 | Print + Perpetual: US \$360.00

Lee Chao (University of Houston-Victoria, USA)

The open approach has been widely used in the development of mobile applications, mobile operating systems for mobile devices, and mobile services for supporting mobile learning. In mobile learning, open source software has played an important role. Due to its stability, flexibility, security, availability, and low cost, mobile Linux and other open source products have a significant impact on the mobile learning community.

**Open Source Mobile Learning: Mobile Linux Applications** is designed to provide the information of open source products used in each phase of the mobile learning. Comparison of popular open source products and their usability in a mobile learning system is also given in selected chapters. Designing strategies and implementation methods of mobile learning systems, this book presents some possible solutions to the challenges encountered in mobile learning system construction, management, and course material development.

### Topics Covered:

- Challenges and Opportunities in Open Source Mobile Learning
- Developing Open Source Based Mobile Services for Mobile Learning
- Development of Open Source Platforms for Mobile Learning
- Mobile Collaboration and Group Learning in Open Source Setting
- Mobile Learning in Open Source Setting
- Open Culture and Ubiquitous Education
- Why Open Source Makes Sense on Mobile Devices

**Market:** This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

**Li Chao** is currently a professor of math and computer science in the school of Arts and Sciences at University of Houston, Victoria (USA). He received his PhD from the University of Wyoming (USA) and he is certified as Oracle Certified Professional and Microsoft Solution Developer. His current research interests are data analysis and technology-based teaching. Dr. Chao is also the author of over a dozen of research articles in data analysis and math modeling, and books in the development of computer labs and database systems.



[www.igi-global.com](http://www.igi-global.com)

Publishing Academic Excellence  
at the Pace of Technology Since 1988

## Section 1: Mobile Learning and its Technical Foundation

### Chapter 1

#### *Introduction*

Chao Lee (University of Houston-Victoria, USA)

### Chapter 2

#### *Adaptation Technologies in Mobile Learning*

Salomoni Paola (University of Bologna, Italy)

Mirri Silvia (University of Bologna, Italy)

### Chapter 3

#### *Linux Based Mobile Operating Systems*

Chao Lee (University of Houston-Victoria, USA)

### Chapter 4

#### *Openness—Evolution of Mobile Communications:*

Thalanany Sebastian (U.S. Cellular, USA)

### Chapter 5

#### *Mobile Learning Using Mobile Phones in Japan*

Kimura Midori (Tokyo Women's Medical University, Japan)

### Chapter 6

#### *Open Source for Mobile Devices and Mobile Learning*

Steger Hal (Funambol, USA)

## Section 2: Mobile Learning in Open Source Setting

### Chapter 7

#### *Carrying That Ten Thousand Dollar Lab in a Backsack:*

Yuan Dongqing (University of Wisconsin- Stout, USA)

Zhong Jiling (Troy University, USA)

### Chapter 8

#### *An Extendible Simulation Game to Promote Team Spirit on Mobile Computing Devices*

Tam Vincent (The University of Hong Kong, Hong Kong)

Liao Xexian (The University of Hong Kong, Hong Kong)

Leung C.H. (The University of Hong Kong, Hong Kong)

Yeung Lawrence (The University of Hong Kong, Hong Kong)

Kwan A.C.M. (The University of Hong Kong, Hong Kong)

### Chapter 9

#### *An Augmented Reality Library for Mobile Phones and its Application for Recycling*

Juan M. Carmen (Universitat Politècnica de València, Spain)

Furió David (Universitat Politècnica de València, Spain)

Alem Leila (CSIRO ICT Centre, Australia)

Ashworth Peta (CSIRO, Australia)

Giménez Miguelon (Universitat Politècnica de València, Spain)

### Chapter 10

#### *Using a Process-Aware Information System to Support Collaboration in Mobile Learning Management Systems*

Perez-Rodriguez Roberto (University of Vigo, Spain)

Cacero-Rodriguez Manuel (University of Vigo, Spain)

Anido-Rifon Luis (University of Vigo, Spain)

### Chapter 11

#### *OpenLaszlo:*

Moya Chris (Open University of Catalonia, Spain)

### Chapter 12

#### *Open Source LMS and Web 2.0 in Mobile Teaching*

Spadavecchia Elisa (Provincial School Authority, Italy)

### Chapter 13

#### *Mobile Web 2.0:*

Coutinho Clara Pereira (University of Minho, Portugal)

### Chapter 14

#### *Exploring the Pedagogical Affordances of Mobile Web 2.0*

Cochrane Thomas (Te Puna Ako (Centre for Teaching and Learning Innovation),

Unitec, New Zealand)

### Chapter 15

#### *Open Source Implementation of Mobile Pair Programming for Java Programming Class*

Chao Lee (University of Houston-Victoria, USA)

### Chapter 16

#### *Accessing Remote Laboratories from Mobile Devices*

Orduña Pablo (DeustoTech – Tecnológico Fundación Deusto, Spain)

García-Zubia Javier (University of Deusto, Spain)

López-de-Ipiña Diego (University of Deusto, Spain)

Iruzun Jaime (DeustoTech – Tecnológico Fundación Deusto, Spain)

## Section 3: Open Culture and Ubiquitous Education

### Chapter 17

#### *Supporting Distance Users of Mobile Learning Technology*

Liu Yong (Abo Akademi University, Finland)

Li Hongxiu (Turku University, Finland)

### Chapter 18

#### *Virtual Environments and Mobile Learning:*

Reis Rosa (Porto Polytechnic Institute, Portugal)

Escudeiro Paula (Porto Polytechnic Institute, Portugal)

### Chapter 19

#### *Implement Mobile Learning at Open Universities*

Wang Harris (Athabasca University, Canada)

## Order Your Copy Today!

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Country: \_\_\_\_\_

Tel: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

☐ Enclosed is check payable to IGI Global in  
US Dollars, drawn on a US-based bank

☐ Credit Card ☐ Mastercard ☐ Visa ☐ Am. Express

3 or 4 Digit Security Code: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Account #: \_\_\_\_\_

Expiration Date: \_\_\_\_\_