



Current Developments in Technology-Assisted  
Education (2006)

Edited by

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Vol. 1



## **Introduction to the present edition**

These volumes contain full papers corresponding to some of the works presented at the 4<sup>th</sup> International Conference on Multimedia and Information & Communication Technologies in Education (m-ICTE2006), held in Seville, Spain, from 22 to 25 November 2006. Just like previous editions, this meeting seeks to consolidate an international forum in Spain with the aim of promoting discussion about the pedagogical potential of new learning and educational technologies both in the academic and corporate world. While this conference series has been mainly research-based, not only completed research works can be found in this book. In such a rapidly growing field as the computer science part of the Instructional Technology field, we think that it is worthwhile attracting papers of a more qualitative or even reflective nature. And of course, papers dealing with purely pedagogical aspects-foundations as applied to e-Education environments are of the highest interest for this forum. With these volumes, we hope to continue contributing to create new insights and expand expertise that should contribute to develop this quite modern discipline that is at the interface among (digital) Technology, Education and Sociology. This genuine interdisciplinary nature of the field makes this an non-easy task, but it also makes it more attractive from an intellectual viewpoint, as attractive are also all potential benefits of reaching excellence in the use of technologies in (not only formal) Education, for the whole mankind. We really hope that the papers included in this edition will be useful for everybody interested in the field, from those mainly interested in theoretical aspects and then working in a higher abstraction level, to all those who look at these pages with the aim of getting ideas or practical advice for their every-day class work.

Based on the works received, the present edition has been organized around the following sections:

General Issues  
Pedagogical Issues  
Technological Issues  
Multimedia and ICTs in Science Education  
Collaborative Learning/ Groupware  
e-Learning Standards: Learning Objects and Repositories  
Digital Games  
National, Regional and Local Experiences

Behind the edition you are reading, there is a huge amount of work which has been carried out by a lot of people for nearly a year, and it is of justice that they appear here reflected.

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As it has been done in previous editions, all these materials are freely available from the conference website <http://www.formatex.org/micte2006>

We hope that you all find something interesting and valuable for your work in this edition, and for those attending the Conference, also a very pleasant and fruitful stay in Seville.

Antonio Mendez-Vilas  
m-ICTE2006 General Coordinator  
Co-editor of the edition



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