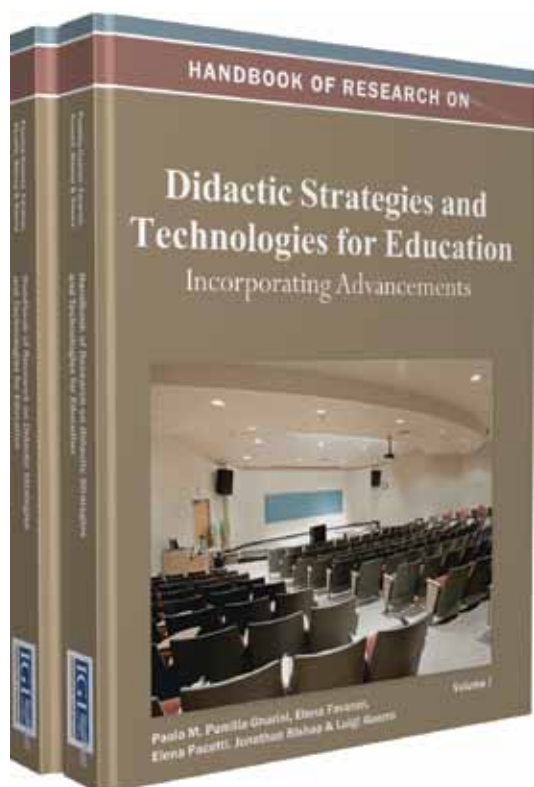


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## Didactic Strategies and Technologies for Education: Incorporating Advancements



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E-Learning Systems, UK) and Luigi Guerra (University of Bologna, Italy)

Recently there has been a growing wave of local initiatives in support of their public schools. Teachers and communities together have been playing an active role in the innovative efforts towards new educational methods aimed at helping schools. These grass root experiments, though very effective, tend to go unnoticed in the wide scheme of the educational system. However, if the most useful and meaningful of these initiatives could be fostered and developed, they may have the possibility of transforming it.

**Didactic Strategies and Technologies for Education: Incorporating Advancements** aims to be a platform for the most significant educational achievements by teachers, school administrators, and local associations that have worked together in public institutions that range from primary school to the university level. This book aims to be useful for both scholars and the citizens that are involved in improving the educational system.

### Topics Covered:

- Assistive Technologies
- Collaborative Language Learning
- Ecology of Learning
- Educational Initiatives
- Interdisciplinary Learning
- Multimedia
- Online Collaborative Resources
- Socio-Constructivist Learning

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**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.

**Paolo M. Pumilia-Gnarini** graduated in Physics in 1986 from the Milan State University and had advanced courses on physics and computational techniques (NATO/ASI, NATO/MIDIT, and CNRS) during his career as a researcher. He has a long lasting professional experience in setting up and analysing results of large atomic systems numerical simulations matching experimental measurements of nuclear magnetic resonance signals, infrared absorption and raman spectroscopy, and x-ray diffraction patterns. Most studies for Italian Research Institutions (CNR and Montedison) have addressed molecular crystals and biosensors dynamics, while working as consultant for pharmaceutical companies (Farmitalia Carlo-Erba S.r.L., Pharmacia Corporation) and research institutes (Ronconi, Donegani), focus has been on protein structure and biosensors. He has been teaching mathematics and physics at high school level, while working as a consultant on the use of the ICT in small businesses and for cultural associations interested on the impact of the information technologies on our society. To that aim, in the last decade, as member of the AICA (the oldest cultural association in Italy, to tackle computer science issues at academic and at popular level as well) Paolo M Pumilia has organized and managed workshops and conferences about the open source phenomenon, dealing with the economical, technical, law, and cultural aspects. He has been invited as an expert to the Consultation on 'Access rights for e-earning content', at the European Commission. In 2007, he has represented a number of Italian cultural associations at the Beijing Symposium of the International Council for Science CODATA (Committee on Data for Science and Technology). Few years ago, he joined a group of scholars at the Bologna and Padua universities to frame a viable proposal to gradually improve the youth education school system by involving the whole local community in that effort.



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