

## Foreword

1st International Workshop on Methods and Resources for Distance Learning (MRDL) has taken place on 19-22 of June 2012, in Kherson, Ukraine in conjunction with 9-th International Conference on ICT in Education, Research, and Industrial Applications: Integration, Harmonization, and Knowledge Transfer (ICTERI 2013).

Distance learning is an important application field that intensively uses information and communication technologies in education. MRDL workshop will bring together reports dealing with the problems of resource maintenance, pedagogic and didactic methods of use of distance learning technologies.

The scope of the MRDL workshop includes the following topics:

- **Virtual laboratories:** Mathematical and informational models and educational tools for virtual labs, covering in particular the distance learning courses in physics, chemistry, biology and other disciplines.
- **Design and development of electronic learning tools and resources:** Design, development and use of electronic learning resources. Compatibility and integration of electronic resources in distance learning systems.
- **Computer-aided learning systems:** Design, development and use of computer-aided learning systems.
- **Pedagogical innovations in distance learning:** Experience in developing and implementation of new pedagogical methods of distance learning using ICT. Open distance courses and tutors training in author's course content.
- **Monitoring of learning quality:** Methods and tools for the estimation of quality of knowledge in distance learning systems, testing, rating systems, feedback.
- **Quality of electronic learning resources:** Standards for electronic resources for distance learning. Modeling of and experience in using quality management systems for electronic learning resources.
- **Information of teaching and educational institutions:** Modeling and experience in the use of management systems in information processing and other management processes at educational institutions. Experience in the use of distance learning technologies in a traditional educational process.

A blind peer-review process by at least two reviewers with expertise in the area has been carried out. As a result, 22 submissions have been accepted as reports, 3 of them are presented in this edition. We would like to thank the authors for their submissions and our Program Committee members for their reviews.

June 2013

Vladimir Kukharenko  
Yulia Zaporozhchenko  
Hennadiy Kravtsov