

**The 8th International IEEE Enterprise
Distributed Object Computing Conference
20-24 September 2004, Monterey, California, USA
<http://www.edocconference.org>**

Sponsored by IEEE Computer Society,
IEEE Communications Society,
and the University of Alabama at Birmingham (UAB)



Call for Participation in the Workshop on ODP for Enterprise Computing ([WODPEC 2004](#))

ABOUT THE WORKSHOP

As software technology becomes a core part of business enterprises in all market sectors, customers demand more flexible enterprise systems. This demand coincides with the increasing use of personal computers, the trend of IT organizations towards downsizing, and today's easy access to local and global communication networks, which together provide an excellent infrastructure for open distributed systems.

In response to these market needs, there has been a significant development in International Standards in software and system engineering in the last decade. In particular, the rapid growth of distributed processing has led to the adoption of the Reference Model of Open Distributed Processing (RM-ODP, ITU-T Rec. X.901 to X.904 | ISO/IEC 10746). This Reference Model provides a co-ordinating framework for the standardization of open distributed processing (ODP) and creates an architecture within which support of distribution, interworking, and portability can be integrated, together with a framework for the specification of ODP systems.

The RM-ODP is based on precise concepts derived from current distributed processing developments and, as far as possible, on the use of formal description techniques for specification of the architecture. RM-ODP has four fundamental elements: an object modelling approach to system specification; the specification of a system in terms of separate but interrelated viewpoint specifications; the definition of a system infrastructure providing distribution transparencies for system applications; and a framework for assessing system conformance.

Five years after its final adoption as ITU-T Recommendation and ISO/IEC International Standard, the RM-ODP is increasingly relevant, because the size and complexity of current IT systems is challenging most of the current software engineering methods and tools. These tools were not conceived for use with large, open and distributed systems, which are precisely the systems that the RM-ODP addresses.

The RM-ODP has already led to some real experience and supporting systems, including good and bad stories; a number of conformant products and implementations; some related developments through the Object Management Group and, of course, groups both of supporters and of detractors. The knowledge gained from these experiences, together with the fact that ISO has just launched a Study Group to consider the possible revision of the Reference Model (see <http://www.lcc.uma.es/~av/ODPstudyGroup/SGannouncement.html>), provides an excellent opportunity for all parties involved in Enterprise Distributed Computing to meet and discuss the present and future of the RM-ODP and its related family of standards.

SCOPE

This Workshop aims at providing a discussion forum where researchers, practitioners and representatives of standardization bodies on these topics can meet and exchange experiences, problems and ideas related to the use of RM-ODP in the realm of Enterprise Distributed Computing, and explore together possible solutions and future work.

The duration of the workshop is one day and this workshop will be held on **September 20, 2004**.

TOPICS

Topics of interest include, but are not limited to:

- implementations of systems using approaches based on the RM-ODP;
- the use of approaches based on RM-ODP for specific application domain (finance, telecomms, health care, aerospace, etc.);
- current issues, limitations and problems identified in the RM-ODP;
- requirements for the RM-ODP to address new IT advances and challenges;
- integration of the RM-ODP with other emerging standards, such as OMG's MDA, ebXML, UML 2.0, W3C Web Services, etc.;
- formal foundations for the RM-ODP;
- modelling languages for ODP system specification and implementation;
- supporting tools (currently in use or under development);
- extensions and refinements of the RM-ODP for particular application domains; and
- recommendations for future developments of RM-ODP.

SUBMISSION GUIDELINES

To enable lively and productive discussions, attendance will be limited to 25 participants and submission of a paper or a position statement is required. All submissions will be formally peer reviewed.

Submissions should be 4 to 8 pages long in IEEE Computer Society format and include the author's name, affiliation and contact details. They should be submitted by e-mail as postscript or PDF files before June 21, 2004, to the Workshop Chairs (wodpec2004@lcc.uma.es).

Authors will be notified of acceptance by July 12, 2004. At least one author of accepted papers should participate in the Workshop. Workshop proceedings will be published on the conference CD-ROM, and all accepted papers will appear in the IEEE Digital Library.

CONFERENCE ORGANIZING COMMITTEE

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IMPORTANT DATES

Workshop papers due: **21 June 2004**
Author notification: **12 July 2004**
Final papers due: **15 August 2004**
Workshop dates: **20 September 2004**

WORKSHOP CHAIRS

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Further information about the Workshop is available at

<http://www.lcc.uma.es/~av/wodpec2004>

