

Jean- Luc Hainaut et al. (Eds.)

LNCS 4802

Advances in Conceptual Modeling – Foundations and Applications

ER 2007 Workshops CMLSA, FP-UML,
ONISW, QoIS, RIGiM, SeCoGIS
Auckland, New Zealand, November 2007, Proceedings

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Auckland, New Zealand, November 5-9, 2007
Proceedings

 Springer

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Library of Congress Control Number: 2007938044

CR Subject Classification (1998): H.2, H.4, H.3, F.4.1, D.2, C.2.4, I.2, J.1

LNCS Sublibrary: SL 3 – Information Systems and Application, incl. Internet/Web and HCI

ISSN	0302-9743
ISBN-10	3-540-76291-4 Springer Berlin Heidelberg New York
ISBN-13	978-3-540-76291-1 Springer Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper SPIN: 12181322 06/3180 5 4 3 2 1 0

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Preface

The 26th International Conference on Conceptual Modeling in Auckland, New Zealand, hosted six workshops which allowed participants to focus their presentations and discussions on advanced topics that cannot easily fit the general conference scope.

Thirteen good quality proposals were received and nine were selected. Due to the similarity of their scope, two pairs were suggested to merge, leading to seven proposals. One workshop attracted fewer submissions than expected, so that its selected papers were integrated into the conference. Finally, six workshops were kept. Interestingly, four of them (FP-UML, ONISW, QoIS, SeCoGIS) were a sequel of workshops that were held in the last few years, while two were new (CMLSA, RIGiM), exhibiting both the maturity and the innovation of the workshops.

Following the call for papers, we received 114 complete submissions, from which 40 quality papers were selected, giving an acceptance rate of 35% (a fairly standard score for workshops).

The following six workshops were organized:

- Conceptual Modelling for Life Sciences Applications (CMLSA 2007), chaired by Yi-Ping Phoebe Chen and Sven Hartmann. This workshop addressed the specific challenges posed by the large data volumes, the complexity and the data and software heterogeneity involved by life science applications.
- Foundations and Practices of UML (FP-UML 2007), chaired by Juan Trujillo and Jeffrey Parsons. The third edition of this workshop gathered researchers and practitioners on topics related to data warehouses, security, model transformation, state diagrams development and model quality.
- Ontologies and Information Systems for the Semantic Web (ONISW 2007), chaired by Mathias Brochhausen, Martin Doerr and Hyoil Han. The second edition of this workshop focused on the potential and actual roles of ontologies in Web information systems. In particular, the papers addressed ontology extraction from texts, ontology interoperability, automatic semantic annotation and domain modeling.
- Quality of Information Systems (QoIS 2007), chaired by Samira Si-Saïd Cherfi and Geert Poels. The papers of the third edition of this workshop dealt with quality models, model understandability and (at last!) quality assessment of scientific conferences.
- Requirements, Intentions and Goals in Conceptual Modeling (RIGiM 2007), chaired by Colette Rolland and Eric Yu. The workshop goal was to explore the relations between requirements engineering and conceptual modeling. The selected papers particularly addressed such topics as model-driven approaches, the use of i^* , refinement of goal-based methodologies, elicitation techniques and visualization.

- Semantic and Conceptual Issues in Geographic Information Systems (SeCoGIS 2007), chaired by Esteban Zimányi and Michela Bertolotto. The fourth edition of this workshop included presentations on data interoperability, spatial data warehouses, spatial data querying, data quality, conceptual modeling, spatio-temporal aspects of moving objects as well as special spatial applications.

We are particularly grateful to all the workshop organizers, the Program Committee members and the authors for the time and effort spent to guarantee the high quality of the programs. Special thanks are due to Markus Kirchberg who took charge of most of the editorial work of these proceedings.

November 2007

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FP-UML 2007 – International Workshop on Foundations and Practices of UML

FP-UML 2007 was organized within the framework of the following projects: META-SIGN (TIN2004-00779) from the Spanish Ministry of Education and Science and DADS (PBC-05-012-2) from the Castilla-La Mancha Ministry of Science and Technology (Spain).

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