

DBKDA 2015

Forward

The Seventh International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA 2015), held between May 24-29, 2015 in Rome, Italy, continued a series of international events covering a large spectrum of topics related to advances in fundamentals on databases, evolution of relation between databases and other domains, data base technologies and content processing, as well as specifics in applications domains databases.

Advances in different technologies and domains related to databases triggered substantial improvements for content processing, information indexing, and data, process and knowledge mining. The push came from Web services, artificial intelligence, and agent technologies, as well as from the generalization of the XML adoption.

High-speed communications and computations, large storage capacities, and load-balancing for distributed databases access allow new approaches for content processing with incomplete patterns, advanced ranking algorithms and advanced indexing methods.

Evolution on e-business, e-health and telemedicine, bioinformatics, finance and marketing, geographical positioning systems put pressure on database communities to push the 'de facto' methods to support new requirements in terms of scalability, privacy, performance, indexing, and heterogeneity of both content and technology.

The conference had the following tracks:

- Data query, access, mining, and correlation
- Databases and other domains
- Databases technologies
- Data management
- Knowledge and decision bases
- Databases content processing

The conference also featured the following workshop:

- **GraphSM 2015, *The Second International Workshop on Large-scale Graph Storage and Management***

Similar to the previous edition, this event attracted excellent contributions and active participation from all over the world. We were very pleased to receive top quality contributions.

We take here the opportunity to warmly thank all the members of the DBKDA 2015 technical program committee, as well as the numerous reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and effort to contribute to

DBKDA 2015. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the DBKDA 2015 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope DBKDA 2015 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the area of databases, knowledge, and data applications. We also hope that Rome, Italy provided a pleasant environment during the conference and everyone saved some time to enjoy the historic beauty of the city.

DBKDA 2015 Chairs

DBKDA Advisory Chairs

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Aris M. Ouksel, The University of Illinois at Chicago, USA

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GraphSM Chairs

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