

Call for Contributions

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=WEB+2019+Special>

Please select Track Preference as **RRSQ**

Special track

RRSQ: Refining and Relaxing Skyline Queries

Chairs and Coordinators

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along with

WEB 2019, The Seventh International Conference on Building and Exploring Web Based Environments

<https://www.iaria.org/conferences2019/WEB19.html>

June 02, 2019 to June 06, 2019 - Athens, Greece

From customer information services to decision support and decision making systems, Skyline query processing have gained much importance for extracting interesting objects from complex and multi-dimensional data. This track explores the related developments of skyline queries and their variations in modern applications.

Several studies have been conducted to develop efficient algorithms for skyline queries. However, querying a set of multidimensional data using the Skyline operator can lead to either (i) a large number of results which is generally uninformative for the user or (ii) a small number of returned objects which could be insufficient for the user needs. In these cases, refinement/relaxation of Skyline is often necessary. In another part, conventional skyline computation is inadequate to answer various queries that need to analyze not just individual tuples of a dataset but also their combinations. The intuitive approach would be to find skyline points in the dataset for the generation of a group skyline. However, in practice, this approach requires more advanced algorithms than those used in traditional Skyline queries.

This track aims to explore new trends for Skyline-based applications and present solutions to address the problem of skyline rigidity, but also propose new approaches and algorithms that can resolve the skyline group problem by finding k-item groups that cannot be dominated by any other k-item group.

Topics include, but not limited to:

- Skyline Group Queries
- Fuzzy Skylines
- Skyline-Based Feature Selection
- Skyline-Based Web Services Selection
- Query Processing for Incomplete Data
- Multidimensional Databases
- Spatiotemporal Database
- Mathematical Optimization Algorithms
- Big Data Applications
- Web-Based Personalized Recommendations
- Spatial and Temporal Queries

- Queries over Semantic Web Data
- Fuzzy Relations

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: April 7, 2019
Notification: April 27, 2019
Registration: May 5, 2019
Camera-ready: May 5, 2019

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=WEB+2019+Special>
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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

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