SSBSE 18
10th International Symposium on Search Based Software Engineering
September 8 – 10, 2018
Montpellier, France

http://ssbse.org/

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We are pleased to announce **SSBSE 2018**, the **10th edition** of the annual symposium dedicated to **Search-Based Software Engineering** (SBSE), to be held in **Montpellier, France**.

SBSE is the application of meta-heuristic optimization techniques to various software engineering problems, ranging from requirements engineering to software testing and maintenance. The symposium builds on the flourishing interest in SBSE and provides a welcoming forum for discussion and dissemination that will strengthen the rapidly-growing international SBSE community.

RESEARCH PAPER TRACK

We invite the submission of high quality papers describing novel and original work in all areas of SBSE including, but not limited to, applications of SBSE to novel problems, theoretical analyses of search algorithms for software engineering, rigorous empirical evaluations of SBSE techniques, and reports of industrial experiences.

SSBSE welcomes not only applications of search-based techniques from throughout the software engineering lifecycle. We also invite the application of a broad range of search methods – ranging from exact operational research techniques to nature-inspired algorithms, local search metaheuristics, and simulated annealing. We particularly encourage papers that report on software engineering applications to which SBSE has not been applied before.

Research papers must be up to 15 pages in length, including all text, figures, references and appendices.

HOT OFF THE PRESS TRACK

The **Hot off the Press** track is a forum for presenting novel ideas and ground-breaking results that open up exciting research opportunities for the SBSE community. We particularly encourage students and early career researchers to present inspiring research efforts that push the boundaries of SBSE. This may include:

- ground-breaking results that open up new research directions in SBSE;
- new perspectives that call into question long held beliefs or conventions;
- bold visions of new directions in SBSE;
- novel interdisciplinary synergies; and,
- more in general, "big" ideas for our emerging community of search based software engineering.

SBSE CHALLENGE TRACK

We challenge everyone interested in SBSE to apply tools, techniques, and algorithms to our selected problems. We want you to apply your SBSE expertise to do interesting things to or with the software and uncover interesting things related to it. The best competition entries will be awarded special prizes. Challenge papers should not exceed 6 pages in length using the regular symposium format.

More details about all tracks are available on the website (http://ssbse.org/).