

Contents

Krzysztof Bartyzel

**Algorithms optimization for the image processing
and analysis by constructing parallel solutions**.....5

Adam Drozdek,
Dušica Vujanović

Atomic-key B-trees.....15

Anna Wawrzynczak,
Marcin Jaroszynski,
Mieczysław Borysiewicz

**Recognition of the atmospheric contamination source localization
with the Genetic Algorithm**27

Jarosław Skaruz,
Artur Niewiadomski,
Wojciech Penczek

**Combining SMT and Simulated Annealing
into a Hybrid Planning Method**43