Professor Steffen Rebennack,

Editor

*European Journal of Operational Research*

Warsaw, December 21, 2018

Dear Associate Editor,

Attached please find a revised version of the manuscript entitled ***A Monte Carlo Tree Search approach to finding efficient patrolling schemes on graphs***by Jan Karwowski and Jacek Mańdziuk for possible publication in *European Journal of Operational Research*. The paper has been revised according to the Reviewers’ comments. A detailed *Response to the Reviewers* is submitted in a separate file.

The paper presents a novel application of simulation-based method Upper Confidence bounds applied to Trees / Monte Carlo Tree Search (UCT / MCTS) to the problem of finding Stackelberg Equilibrium in sequential games.

We believe that the content of the manuscript, which is generally related to application of game-theoretic tools in planning and scheduling, will be of interest to the readership of *European Journal of Operational Research*.

The manuscript contains original research and has not been published earlier and is not being under consideration for publication by another journal. Both authors have approved the manuscript and agreed with its submission to *European Journal of Operational Research.*

Thank you for your consideration.

Yours sincerely,

Jan Karwowski and Jacek Mańdziuk