Finalists **SWARM2021**

Best Paper Award

Swarm Robots Using A New Levy Walk Generator in Targets Exploration
by
Yoshiaki Katada

Multimodal Optimization by Particle Swarm Optimization with Graph-Based Speciation Using β-Relaxed Relative Neighborhood Graph
by
Tetsuyuki Takahama and Setsuko Sakai Takahama

Beyond Tracking: Using Deep Learning to Discover Novel Interactions in Biological Swarms
by
Taeyeong Choi, Benjamin Pyenson, Juergen Liebig and Theodore Pavlic

A winner (Winners) will be announced at the closing ceremony from 19:10 June 4 (JST). Finalists, if you can, please attend closing ceremony.

Finalists **SWARM2021**

Best Student Paper Award

Snake Robot Locomotion with Locked-Joint and Free-Joint Failures
by
Belal Elsayed, Tatsuya Takemori and Fumitoshi Matsuno

Collective transport of arbitrarily shaped objects using robot swarms
by
Marius Jurt, Emma Milner, Mahesh Sooriyabandara and Sabine Hauert

Dynamics of mosquito swarms over a moving marker
by
Puneet Jain, Om Prakash Singh and Sachit Butail

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