

# MIMS現象数理カフェセミナー

日時: 2022年7月20日(水) (12:40 – 13:20)

場所: 8FラウンジとZoomのハイブリッド形式

## Various systems of cooperative transport in ants

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•**Abstract** : Some species of ants perform cooperative transport, in which multiple individuals carry a single object. The degree of coordination in cooperative transport differs between species, some species perform pseudo cooperative transport, which is practically the same as a single individual carrying an object, while some species achieve highly coordinated one through the division of roles. However, highly coordinated cooperative transport is not always superior to pseudo cooperative transport with respect to transport efficiency. In addition, the factors underlying the difference between the two types of cooperative transport have not been identified. Therefore, in this presentation, I introduce our experiments of different approaches for various species to understand cooperative transport in ants.



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