

# 九大代数学セミナー

日時 2024 年 5 月 10 日 (金) 16:00-17:00

場所 九州大学伊都キャンパス ウェスト 1 号館 5 階 C-513 中講義室,  
および Zoom ミーティングによるオンライン開催

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講演者 埴原 紀宏 氏 (九州大学)

題目 **Cohen-Macaulay representations in triangulated categories**

概要 Representation theory of algebras aims at understanding various categories associated with a given ring. Rings we are interested in are, for example, finite dimensional algebras over fields and commutative Cohen-Macaulay rings. In this talk, I would like to talk about representation theory of these rings, especially in triangulated categories such as derived categories, singularity categories, cluster categories, and their differential graded enhancements. We will present some results which connects the representation theories of finite dimensional algebras and commutative rings through these triangulated categories.

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