

## 第696回 化学・物質工学セミナー開催のお知らせ

この化学・物質工学セミナーは、「第5回国際的な活躍が期待できる研究者の育成事業」と共催します。万障お繰り合わせの上、ご参加下さい。

日時:平成30年8月29日(水)14時30分～

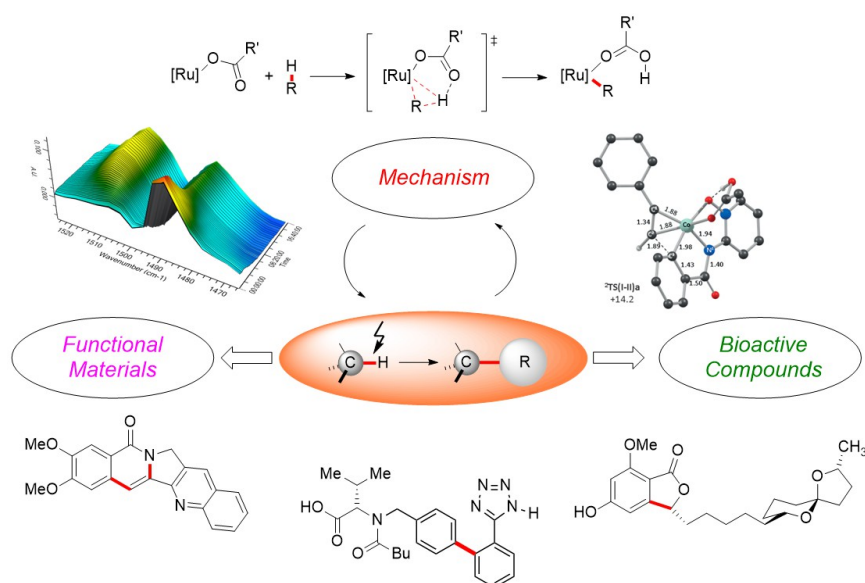
場所:総合教育研究棟2階・多目的ホール

講演題目:「C-H活性化を利用した選択的合成反応制御」

講演者:Prof. Lutz Ackermann(ゲッティンゲン大学・化学科[ドイツ])

概要:

Arylation methods are belonging to the most important reaction types in organic synthesis. Prof. Lutz Ackermann is interested in the development of environmentally benign and economically sound processes of importance to organic synthesis. This combines techniques of among others organic synthesis, and organometallic chemistry for the development of more efficient catalytic transformations. Current efforts are focused on the following main research areas: (A) catalytic functionalizations of unactivated C-H bonds. This work includes the use of inter alias Ru, Pd, Ni, Fe, Co, Mn and Cu catalysts on a day to day basis; (B) development of air-stable ligands for metal catalysis; (C) photoredox catalysis; and (D) electrocatalysis. This seminar is particularly targeted at Pd-catalyzed arylation of N-H and alpha-C-H acidic Bonds, Cu-catalyzed arylation of N-H and O-H Bonds, direct arylation reactions, carbanion aromatic synthesis, arylation reactions of alkenes, alkynes and much more.



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