



University of Stuttgart

Institute of Polymer Chemistry, MSF

Catalysis Colloquium of Collaborative Research Center 1333

**Olefin metathesis:
Design of efficient
molecular catalysts
and synthesis of
advanced conjugated
materials**



WEDNESDAY, 31. OCTOBER 2018 , 02:00-03.00 PM
LECTURE HALL 55.22, PFAFFENWALDRING 55

Prof. Kotohiro Nomura
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Olefin metathesis is a useful method applied for synthesis of fine chemicals and advanced polymeric materials. Ruthenium and molybdenum/tungsten catalysts have been known as efficient catalysts. The group of Prof. Nomura has recently demonstrated that (imido)vanadium(V)-alkylidene complexes containing anionic donor ligands exhibited from moderate to high catalytic activities for ring-opening metathesis polymerization (ROMP) of norbornene (NBE) and the derivatives.¹⁻³ Prof. Nomura will present the group's latest results on metathesis with (imido)vanadium(V)-alkylidene complexes.

