



九州大学グローバルCOEプログラム  
**未来分子システム科学**  
Science for Future Molecular Systems  
**Global Seminar#90**

第12回国際セミナー 拠点リーダー 君塚 信夫

## 教室セミナー

講師：**Thomas B. Rauchfuss**

Department of Chemistry University of Illinois at  
Urbana-Champaign Urbana, IL, 61801 USA

題目：**Organometallic Chemistry Inspired by the  
Hydrogenases**

日時：平成21年8月25日（火）14:00～15:30

場所：ウエスト4号館314号室（物質系4番講義室）

問合せ先：小江 誠司 (Seiji Ogo)

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参加費：無料

Since 1978 Thomas B. Rauchfuss has been on the faculty at the University of Illinois. He was trained in inorganic and bioinorganic chemistry at Washington State University and the Australian National University with D.M. Roundhill and D.A. Buckingham, respectively. Early in his career, Rauchfuss contributed the concept of hemilabile ligands. Other areas of interest include dithiolenes, hydrodesulfurization, mobile M-M bonds, molecular boxes, and polysulfido ligands. In the area of amido-complexes, his group discovered their reactivity toward oxygen as well as redox- and proton-induced H<sub>2</sub> activation. Recent work has been inspired by the hydrogenase enzymes. Discoveries include biomimetic hydrogen evolution catalysis, synthesis of the azadithiolato cofactor, and NiFeHS<sub>2</sub> ensembles.



協力：九州大学未来化学創造センター

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