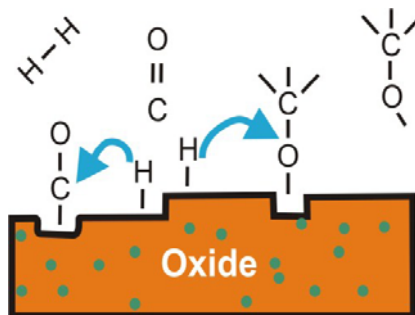


# Ruhr-Universität Bochum



**SFB 558**

## „Metall-Substrat-Wechselwirkungen in der heterogenen Katalyse“

**Einladung  
zum Vortrag von**

**Prof. Dr. Michael O'Keeffe  
Arizona State University  
(Gast des Graduiertenkollegs)**

### “Design, Synthesis, and Applications of Functional Microporous Materials”

Abstract: The last decade has seen explosive growth in the development of metal-organic microporous frameworks and these materials and their applications have become a major part of modern inorganic materials chemistry. The seminar will deal with the design of materials with predetermined topologies and with functionalized pores of controlled size. The topologies ("nets") that can be targeted and the appropriate combination of inorganic and organic molecular building units will be described. Practical applications that are in a mature stage of development such as hydrogen and methane storage and carbon dioxide capture will also be described.

#### **Zusätzliche Tutorien:**

**Montag, 18.5.2009 14 – 16 Uhr, Hörsaal 2/99**

**Dienstag, 19.5.2009 14 – 16 Uhr, Hörsaal 2/99**

<b>Termin:</b>	<b>19.05.2009</b>
<b>Zeit:</b>	<b>11.15 h</b>
<b>Ort:</b>	<b>HNC 5/99</b>

*Gäste sind herzlich willkommen.*