

揭示

21 世紀 COE 特別講演会

日 時 : 12 月 3 日(金) 15 : 00 ~ 17 : 00

講演会場 : A2 - 118 号室
(桂キャンパス分子工学会議室)

講演者 : Andrew Orr-Ewing
(英国 Bristol 大学化学科教授)

講演題目 :
新しい長光路吸収分光法の環境計測への応用

講演内容 :

The use of continuous wave cavity ring-down spectroscopy (CRDS) is demonstrated for the detection of tropospheric methane. Spectra of the $2\nu_3$ overtone band of methane at wavelengths near 1.65 μm have been recorded in both laboratory air and under reduced pressures, and show quantitative agreement with absorption intensities and pressure-broadened line widths reported in the HITRAN 96 database. The detection limit is well below the 1.72 PPM by volume average methane concentration in the lower troposphere.

連絡先教官

分子工学専攻 川崎昌博 (: 2572)