

Kolloquium

UNIVERSITÄT DORTMUND



RUHR-UNIVERSITÄT BOCHUM

Mechanik

Vortragsankündigung

Referent:

ROBERT P. GILBERT

Department of Mathematical Sciences
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Thema:

**ULTRASOUND INTERROGATION OF
CANCELLOUS BONE AND ACOUSTIC MODELING
OF BONE USING HOMOGENIZATION**

Ort:

**Ruhr-Universität Bochum
Raum IA 3/21**

Zeit:

**Montag, den 23.05.2005
15:00 Uhr**

Inhalt:

The acoustic pressure equations corresponding to a bone sample in a water bath will be solved. Using simulated data the Biot coefficients of the bone will be reconstructed. Alternate models for cancellous bone will be suggested using homogenization.

Veranstalter:

O.T. Bruhns, K. Hackl, J.F. Kalthoff, S. Reese (Ruhr-Universität Bochum)
H. Obrecht, B. Svendsen, K. Thermann (Universität Dortmund)

Internet: www.rub.de/mechanik/kolloquium.html