

## Thermodynamics and Related Issues in Poromechanics

Chairs: Prof. Robert W. Zimmerman  
Imperial College, UK  
&  
Prof. Haim Waisman  
Columbia University, USA

13:30 – 15:45; June 8, 2009  
Room 477

- 14 Robert W. Zimmerman (UK)  
*On The Analogy between Poroelasticity and Thermoelasticity*
- 86 B. Zangiabadi, R.I. Korsnes, T. Hildebrand-Habel, A. Hiorth, I.K. Sutarjana, A. Lian & M.V. Madland (Norway)  
*Chemical Water Weakning of Various Outcrop Chalks at Elevated Temperature*
- 115 Vitor A. F. Costa (Portugal)  
*Thermodynamics for The Heat Transfer Man, and The Law of Volume Increase*
- 122 Lynn Schreyer-Bennethum (USA)  
*Macroscopic Pressure in Swelling Porous Media*
- \* Emmanuel David, Nicolas Brantut, Alex Schubnel & Robert Zimmerman  
*Sliding Crack Model for the Uniaxial Stress-Strain Curve of Rock*
- ? 8 A. P. Gerasev (Russia)  
*Variational Principles in Irreversible Thermodynamics with Application to Traveling Wave in a Catalyst Bed*
- ? 60 G. Ojeda, G. Marando, M. Bonmati & J.M. Alcaniz (Portugal)  
*Time Dependence of Soil Water Hysteresis in A Minesoil Reclaimed by Sewage Sludge Amendments*