

Christopher E Truman
01 January 2005



One-day Meeting on Contact Mechanics

University of Bristol

7th July 2004

Approximately 45 delegates gathered in the Victoria Rooms at the University of Bristol on 7th July 2004 for a one-day meeting on Contact Mechanics. The meeting had been planned to coincide with a Special Issue of *The Journal of Strain Analysis for Engineering Design* (Volume 39, Number 4, July 2004) which contained full written versions of all of the presentations.



Tony Sackfield (Nottingham Trent University) made the first presentation, "Some Analytical Results for Plane Contact Problems."

Rob Dwyer-Joyce (Sheffield University) made the second presentation, "An Approach for Contact Stress Mapping in Machine Joints and Concentrated Contacts."

Delegates prepare for the presentations

Michele Ciavarella (Politecnico di Bari) continued the presentations after morning coffee with a talk entitled "Frictionally Excited Thermo-elastic Instability (TEI) in the Presence of Contact Resistance."

Bruce Drinkwater (Bristol University) then followed with a presentation entitled "The Influence of Interface Effects on the Rocking Behaviour of Graphite Blocks."



Michele Ciavarella



After lunch, and a tour of the new BLADE (Bristol Laboratory for Advanced Dynamical Engineering) facilities at Bristol, **Adib Becker** (Nottingham University) made a presentation entitled “Boundary Element Analysis of Contact Problems Using Inverse Techniques – Linear and Quadratic Elements.”

David Hills

David Fletcher (Sheffield University) then continued proceedings with a talk entitled “Computer Simulation of Strain Accumulation and Hardening for Pearlitic Rail Steel Undergoing Repeated Contact.”

David Hills (Oxford University) concluded the day’s events with a presentation entitled “A Consideration of the Effects of Slip Displacement on Fretting Fatigue Behaviour.”