



Cambridge Society for the Application of Research

Churchill College
Storeys Way
Cambridge
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Volcanology applied to emergencies

7.30 p.m., Monday 29th April, 2013
Wolfson Lecture Theatre, Churchill College, Storey's Way, Cambridge

The Lecture:

There are thought to be about 600 million people living close enough to active volcanoes to be affected when they erupt. Casualties from volcanic eruptions have been modest (around 300,000 in the last 200 years) compared to other natural hazards, but economic losses and societal disruption can be considerable. New approaches to volcanic hazard assessment and risk management are emerging as Society requires more information to respond to volcanic emergencies. Extreme eruptions perturb global climate for several years and can have severe environmental impacts and consequences. The modern globalised world is arguably uniquely vulnerable to very large volcanic events, making the study of their return periods, possible environmental effects and consequences a key goal of volcanology.



About the Speaker:

Professor Sparks is a Professor of Geology in the School of Earth Sciences at Bristol University. His research concerns volcanic and igneous processes and he has made contributions in petrology, physical volcanology, fundamental fluid mechanics, sedimentology, and hazard and risk assessment methods. He has won several international awards and has served as President of the Geological Society of London, and President of the International Association of Volcanology and Chemistry of the Earth's Interior. He is currently Chair of the UK Advisory Committee on Mathematics Education and member of the Technology Advisory Panel of the Nuclear Decommissioning Agency.



CSAR lectures are open to all, and free to all members and students: non-members are asked to make a contribution of £3.00.

Coffee and biscuits are available in the Wolfson Foyer from around 7pm.

For further directions see

www.chu.cam.ac.uk/about/visitors/directions.php