

### **Invited presentations at international conferences**

A one-dimensional investigation of the single domain - vortex transition in elongated cylindrical magnetite particles

Karl Fabian (EGS, Grenoble, 1994)

Thermoremanence of pseudo-single and multidomain particles: a phenomenological approach and its application to paleointensity determination experiments

Karl Fabian (IAGA, Hanoi, 2001)

The effect of grain size on paleointensity determinations

Karl Fabian (AGU, San Francisco, 2001)

Determination of the volume distribution of superparamagnetic particle ensembles by means of frequency dependent susceptibility

Karl Fabian, Valera P. Shcherbakov (Workshop on "Fundamental rock magnetism and environmental applications", Erice, 2002)

The role of micromagnetic modelling in rock magnetism

Karl Fabian (AGU, San Francisco, 2002)

Interpretation of hysteresis measurements in rock magnetism: examples from mid-ocean ridge basalts and marine sediments

Karl Fabian (EGU, Nice, 2004)

The physical theory of thermoremanence

Karl Fabian (AARCH workshop, Madrid, 2005)

Towards a reconstruction of the global geomagnetic field during the Matuyama-Brunhes transition

Karl Fabian, R. Leonhardt (Russian Academy of Science, Moscow, 2005)

Natural remanent magnetization in ilmenohematite induces exchange bias at low temperatures: A proof of lamellar magnetism

Karl Fabian, S. A. McEnroe, P. Robinson, R. Harrison

(Frontiers in Mineral Sciences, joint meeting MinSoc, MSA, MAC and SFMC, Cambridge, 2007)

Which theories of remanence acquisition are necessary to improve paleointensity determinations

Karl Fabian, S. A. McEnroe, R. Leonhardt, D. I. Hofmann

(International Conference on Rock Magnetism, Cargese, 2008)