



## **ILMO TAPIO KUKKONEN**

Date: February 8, 2008

### **1. Full names**

Surname: Kukkonen First names: Ilmo Tapio

### **2. Date and place of birth**

April 6, 1956, Helsinki

### **3. Current position**

Research Professor in Applied Geophysics, Southern Finland Office, Geological Survey of Finland, from August 2006. Manager of reflection seismic project HIRE (High Resolution Reflection Seismics in Ore Exploration) 2006-2010, manager of Outokumpu Deep Drilling Project 2004-2011.

### **4. Previous professional appointments**

Worked at the Geological Survey of Finland in several positions from 1982: division manager, acting head of Dept. of Geophysics of the Southern Finland Office, senior scientist, scientist, and geophysicist. Main topic of work: lithosphere geophysics and geothermics, reflection seismics, environmental studies, nuclear waste disposal, and ore exploration. Manager of reflection seismic project FIRE (Finnish Reflection Experiment) 2001-2006.

### **5. Degrees**

Doctor of Technology (Major in Applied Geophysics), Helsinki University of Technology, Aug. 1989; Doctoral thesis title: 'Terrestrial heat flow density in Finland, the central Fennoscandian Shield' (thesis accepted with honors); Master of Technology (Diploma Engineer in Economic Geology), Helsinki University of Technology; Dec. 1980.

### **6. Nature and scope of publications**

Over 100 scientific publications (of which 48 in international peer-reviewed journals) on topics such as geothermics of the lithosphere,

thermal evolution of the lithosphere, mantle xenoliths, thermal properties of rocks, geothermal resources, seismic structure and lithological composition of the crust, groundwater flow in crystalline rock, geochemistry of deep groundwaters, palaeoclimate, nuclear waste disposal, environmental and archaeological applications of geophysics, impact craters and meteorites.

## **7. Memberships in boards and committees of scientific organizations**

International:

**1.** International Association of the Seismology and the Physics of the Earth's Interior (IASPEI), member of the executive committee 2007-2011; **2.** International Continental Scientific Drilling Program, Executive Committee, Finnish representative for the Academy of Finland (from 2005); **3.** International Association of the Seismology and the Physics of the Earth's Interior (IASPEI), International - Heat Flow Commission, member 1991-95, vice-chairman 1995-99, chairman 1999-2003, past chairman 2003-2007; **4.** Continental Deep Drilling program (KTB), Germany, member of the Geothermal Task Group, 1991-94; **5.** EUROPROBE/Svekalapko, principal investigator of the geothermal subproject, 1995-2000; **6.** EUROPROBE/Uralides, western co-ordinator of the geothermal subproject, 1995-1996.