

1. Name Servo Seppo Heikki **Kasi**

2. born 1937-09-21, Turku, Finland

3. Current position independent researcher since 1982 except some intervals ≤ 6 months, Address: Kajavankatu 6 B 45, FIN-04230 Kerava, Finland

4. Education

o 1975- post-graduate student in Helsinki University of Technology
2004- post-graduate student in Helsinki University in geophysics:
- Studies in Helsinki University and Helsinki University of Technology
1994 passed the course 53532-2 of geohydrology in Helsinki University

o 1964-1974 studies for the degree of **tekniikan lisensiaatti** (Technical Licentiate) in Helsinki University of Technology, Principal topic: applied mathematics, Subsidiary topic: technical physics (nuclear technique), Specific research: "Solution of a nonstationary onedimensional diffusion problem when diffusion coefficient depends on concentration" in Finnish. Examination accepted 18.11.1974

o 1957-1964 studies for the degree of **diplomi-insinööri** (Diploma Engineer) in the Department of Technical Physics of Helsinki University of Technology, the Diploma research: "*Water content measurement with the method of neutron scattering*" in Finnish. Examination accepted with the epithet "excellently" 16.12.1964

5. Professional Work History Chart

o Researcher, independent since 1.3.1982
- Working to develop hydrologic models for migration of water and its impurities in soil and rock, influence of soil air
- In the intention plan in 18.4.1998 I have presented a proposal to establish Radiation Physics Institute in the Top Unite Program of the Finnish Academy to start in year 2000. In 10.6.1998 the Academy did not include my application among the accepted ones to present the more detailed plans.
- Today I have a proposal for dissertation "[Neutron and gamma measurements.](#)"
- Sent the abstract: "[Stochastics of Radioactive Decay](#)" to 14th International Symposium on Radiation Physics in Cordoba 2018.
- In 21.-24.6.1993 participating in the conference ECOBALT in Saint Peterburg and have tried cooperation projects (eg. TACIS). For this Russian-Finnish-Estonian cooperation in 18-20.5.1998 was hold a meeting in Geological Survey of Finland in Espoo.
- After 1986 tried, also in other ways than above, to arise projects concerning Chernobyl pollution, especially its utilization in hydrology.
- Since 1959 worked with applications of nuclear radiation (calibration of neutron moisture gage, etc.)
o Researcher 1984-September in the Academy of Finland in the project *Development of a calibration method for soil moisture gauging with neutrons and its application*
o 1966-1982 teaching physics in Helsinki University of Technology (laboratory and other exercises, 1975-1976 lecturer) except:
o 1979-03...06 leading Finnish part of NORDFORSK research *Methods of moisture determination in the ceramic industry*

6. Research awards, honours as stipendiary support

o from Helsinki University of Technology 1960, 1965 and 1969-1972, and from a Finnish fund (Tekniikan Edistämissäätiö, 2500 mk) for neutron gage research.
o from the fond Maa- ja vesiteknikan tuki (MVT) 31.10.2003 for the research *Measurement of Mustansuppa esker summer ventilation*, 500 e which report: [Raportti tutkimuksesta Mustasupanharjun kesätuuletuksen mittaus.](#)
2004 for the participation in Nordic Hydrological Conference in Tallinn, 600 e

2006 for the participation in Nordic Hydrological Conference in Denmark, 700 e
Of the latters also reports.

7. Membership in scientific societies

- o International Radiation Physics Society
- o the Finnish Physical Society
- o Finnish Nuclear Society
- o the Finnish Society in Geophysics
- o Nordic Association for Hydrology
- o Finnish Water Society
- o Finnish Technical Society

8. Other academic and professional activities

- Leading Finnish part of NORDFORSK research *Methods of moisture determination in the ceramic industry*
1977-1980

- Languages

Finnish has been my home language all my life

English I have used most in my scientific work. My skills to speak, write and read it are relatively excellent.

Swedish I speak, write and read almost excellently.

In **German** I have working skills.

Russian I started to learn in a special course for nuclear physicists in Helsinki University of Technology in the beginning of 1960's, schooled me in all decades after that also in practice. I have working knowledge in speaking, writing and reading, in some cases fluent. My vocabulary in Russian is not very large, however.

In **Esthonian** to learn and to use I have been active in last years.

In **Esperanto** and **Frensh** I have tried to achieve basic knowledge.

Kerava 28.8.2018

Servo Kasi, tel. +35892428550, in Finland (09)2428550

+358505724009, in Finland 0505724009

address: Kajavankatu 6 B 45, FIN-04230 Kerava

email: servo.kasi@aalto.fi, servoseppo@gmail.com and servo.kasi@kolumbus.fi