

Curriculum vitae - Dr. Walter Zürn

Education, Degrees:

1963 Diploma in physics, Stuttgart university
1970 Dr. of Science (Dr.rer.nat.), Univ. Stuttgart

Positions:

1964 - 1970 Scientific Assistant, Inst. of Geophysics,
 Stuttgart
1970 - 1973 Postdoctorate Res. Geophysicist, IGPP, UCLA
1971 - 1972 Senior Scientific Leader, Amundsen-Scott South Pole
 Station (geogr. South Pole)
1974 - 1998 Acad. Council and Senior Acad. Council, Geophys.
 Inst.,
 Karlsruhe University and Black Forest Observatory
1998 - now Academic Director
2002 Retirement

Research: Free Oscillations of the Earth, Tides, Gravity
----- variations, Interactions between Earth and
 Atmosphere

Responsibilities:

1977 - 1993 President, Geophysics section of Working Group on
 geodesy and geophysics in Germany
1981 - 1993 Leader of partial project in Special Research
 Project
 108 "Stresses and stress-modifications
 in the lithosphere"
1986 - 2002 Member of Steering Committee Gräfenberg
 (presiding in 1988, 1992, 1998)
1992 Member of German delegation (7) in Physical
 Volcanology to Java, Indonesia
1993 Member of German seismological delegation (10) to
 People's Republic of China

Awards:

1976 Naming of " ZURN PEAK " in Mary Byrd Land,
 Antarctica
1977 Antarctica Service medal, U. S. A.
1999 Citation for Excellence in Reviewing by Am. Geophys.
 Union
2004 Rebeur-Paschwitz-Medal, German. Geophys. Soc. (DGG)

8 relevant publications:

Müller, T., Zürn, W., 1983.
Observation of Gravity Changes During the Passage of Cold Fronts
J. Geophysics, 53, 3, 155 - 162
Neuberg, J., Hinderer, J., Zürn, W., 1987

- Stacking gravity tide observations in Central Europe for the retrieval of the complex eigenfrequency of the Nearly Diurnal Free Wobble.
Geophys. J. R. astron. Soc., 91, 853 - 868
- Müller, G., Zürn, W., Lindner, K., Rösch, N., 1989
Determination of the Gravitational constant by a hydroelectric-lake experiment.
Phys. Rev. Lett. 63, 2621 - 2624
- Rydelek, P. A., Zürn, W., Hinderer, J., 1991
On Tidal Gravity, Heat-Flow and Lateral Heterogeneities
Phys. Earth Planet. Inter., 68, 215 - 229
- Widmer, R., Zürn, W., 1992
Bichromatic excitation of long-period Rayleigh and air waves by the Mount Pinatubo and El Chichon volcanic eruptions
Geophys. Res. Lett., 19, 8, 765 - 768
- Widmer, R., Zürn, W., Masters, G., 1992
Observation of Low Order Toroidal Modes from the 1989 Macquarie Rise Event
Geophys. J. Int., 111, 2, 226 - 236
- Richter, B., Wenzel, H.-G., Zürn, W., Klopping, F., 1995
From Chandler Wobble to Free Oscillations: Comparison of Cryogenic Gravimeters and Other Instruments in a Wide Period Range
Phys. Earth Planet. Inter., 91, 131 - 148
- Zürn, W., Widmer, R., 1995
On noise reduction in vertical seismic records below 2 mHz using local barometric pressure
Geophys. Res. Lett., 22, 24, 3537 - 3540
- Zürn, W., Laske, G., Widmer-Schnidrig, R., Gilbert, F., 2000
Observation of Coriolis coupled modes below 1 mHz
Geophys. J. Int. 143, 113 - 118