

# 39 Prof. Hans-Peter Schertl



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## Education

B.A., Ruhr-University Bochum, Germany, 1987

Ph.D. Ruhr-University Bochum, Germany, 1992

## Work Experience

Scientific research assistant, Ruhr-University Bochum, 1990-1992

Senior research scientist, Ruhr-University Bochum, 1992-present

## Committee Responsibilities and Professional Activities

2000-2004 Member: International Lithosphere Program: project III-8 "Processes and Geodynamics in the Formation and Exhumation of Ultrahigh-Pressure metamorphic Terrains"

2005-2009 Member: International Lithosphere Program: project II-10 "Ultra-Deep Continental Crust Subduction"

since 2001 National Representative of Germany: "International Eclogite Conference Co-ordinating Committee (I.E.C.C.C.)"

2011-2014 Member: Leibniz Graduate School "Raw Materials, Innovation and Technology of ancient Cultures (RITaK)"

2012-2013 Distinguished lecturer "Mineralogical Society of America"

## Major Publications

Tilton, G. R., Schreyer, W., Schertl, H. P. (1989): Pb-Sr-Nd isotopic behavior of deeply subducted crustal rocks from the Dora Maira Massif, Western Alps, Italy. *Geochimica et Cosmochimica Acta*, 53:1391-1400.

Schertl, H. P., Schreyer, W., Chopin, C. (1991): The pyrope-coesite rocks and their country rocks at Parigi, Dora Maira Massif, Western Alps: Detailed petrography, mineral chemistry and PT-path. *Contributions to Mineralogy and Petrology* 108:1-21.

Tilton, G.R., Schreyer, W., Schertl, H. P. (1991): Pb-Sr-Nd isotopic behavior of deeply subducted crustal rocks from the Dora Maira Massif, Western Alps, Italy-II: what is the age of the ultrahigh-pressure metamorphism? *Contributions to Mineralogy and Petrology* 108:22-33.

Schertl, H. P. & Okay, A.I. (1994): A coesite inclusion in dolomite in Dabie Shan, China: Petrological and rheological significance. *European Journal of Mineralogy* 6:995-1000.

Chopin, C., Ferraris, G., Ivaldi, G., Schertl, H. P., Schreyer, W., Compagnoni, R., Davidson, C., Davis, M. (1995): Magnesiodumortierite, a new mineral from very-high-pressure rocks (Western Alps). II. Crystal chemistry and petrological significance. *European Journal of Mineralogy* 7:525-535.

- Grevel, C., Schertl, H.-P. (1995): Geochemistry and possible protoliths of coesite-bearing pyrope quartzites and related rocks of the southern Dora Maira Massif, Western Alps. *Bochumer Geologische und Geotechnische Arbeiten* 44:60-63.
- Gebauer, D., Schertl, H. P., Schreyer, W. (1995): A 35 Ma old ultrahigh-pressure metamorphism in the Dora Maira Massif and its geodynamic implications for the Pennine zone of the Central and Western Alps. *Bochumer Geologische und Geotechnische Arbeiten* 44:49-53.
- Neuser, R. D., Reinecke, T., Schertl, H. P. (1995): Low temperature cathodoluminescence of selected minerals from high pressure rocks. *Bochumer Geologische und Geotechnische Arbeiten* 44:119-123.
- Schertl, H. P. (1995): New petrologic observations on Dora Maira rocks: UHPM mineral inclusions in zircons and garnet-zoisite intergrowth textures. *Bochumer Geologische und Geotechnische Arbeiten* 44:196-199.
- Tilton, G. R., Ames, L., Schertl, H. P., Schreyer, W. (1995): Age determinations on rocks of an undeformed granite contact within the coesite-bearing unit of the Dora Maira Massif. *Bochumer Geologische und Geotechnische Arbeiten* 44:245-247.
- Schertl, H. P. & Schreyer, W. (1996): Mineral inclusions in heavy minerals of the ultrahigh-pressure metamorphic rocks of the Dora Maira Massif and their bearing on the relative timing of the petrological events. *Isotopic Studies of Crust-Mantle Evolution*. In: A. Basu and S.R. Hart (eds.), *Earth Processes: Reading the Isotopic Code*, AGU, Geophysical Monograph Vol. 95:331-342.
- Gebauer, D., Schertl, H. P., Brix, M., Schreyer, W. (1997): 35 Ma old ultrahigh-pressure metamorphism and evidence for very rapid exhumation in the Dora Maira Massif, Western Alps. *Lithos* 41:5-24.
- Tilton, G. R., Ames, L., Schertl, H. P., Schreyer, W. (1997): Reconnaissance isotopic investigations on rocks of an undeformed granite contact within the coesite-bearing unit of the Dora Maira Massif. *Lithos* 41:25-36.
- Sobolev, N. V., Schertl, H. P., Shatsky, V. S. (1999): Some specific features of carbonate-bearing garnet-pyroxene rocks. IV International Eclogite Field Symposium Russia-Kazakhstan, Field Guide Book, 33-36.
- Chopin, C., Schertl, H. P. (1999): The UHP Unit in the Dora-Maira Massif, Western Alps. *International Geology Review* 41:765-780.
- Nowlan, E.U., Schertl, H. P., Schreyer, W. (2000): Garnet-omphacite-phengite thermobarometry of eclogites from the coesite-bearing unit of the Dora-Maira Massif, Western Alps. *Lithos* 52:197-214.
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- Zhang, Y., Wu, Y., Jin, Z., Schertl, H. P. (2014): Experimental Constraints on the Genesis of Jadeite Quartzite from Shuanghe, Dabieshan Ultra-high Pressure Metamorphic Terrane. *Science China – Earth Sciences* 57:104-116.