

BERND ZIMMERMANN
19.3.1946–19.7.2018

Obituary

After finishing his studies in mathematics, physics, philosophy, education, astronomy and meteorology at Hamburg and Kiel University, Bernd Zimmermann made master-degree (Diplom) in mathematics in 1971, continuing two years later to second state-examination as teacher of mathematics and physics. When being assistant of mathematics education at the University of Paderborn in 1973–1978, he made his PhD on analyzing mathematical problem-solving processes. During 1978–1985 he acted as teacher of mathematics and physics at a Gymnasium, since 1983 involved in the Hamburg Model for mathematically gifted pupils.



After his period as assistant of mathematics education at the University of Hamburg (1985–1991), he published in 1992 his Habilitation on mathematical beliefs and history of mathematical heuristics. After acting as visiting professor of mathematics education at the University of Greifswald (1992–1993), he was full-time professor of mathematics education and computer literacy at the Friedrich-Schiller-University of Jena (1993–2011). After his retirement he felt own freedom for research, writing and participating.

During several decades, Professor Zimmermann had numerous memberships and responsibilities among the society of mathematics education. He was a highly desirable lecturer on the area of problem solving and its history. One of his most important scientific heritages is his long-term study of the history of mathematics. He identified eight sustainable heuristics that proved to be sustainable for at least 5000 years: order, find, play, construct, apply, calculate, evaluate, and argue.

He was a member of the Editorial Advisory Board of the journal *Teaching of Mathematics*, since its beginning.

The relatives, friends and colleagues of Bernd Zimmermann will miss him as a warm and helpful personality with his scientific precision.

Lenni Haapasalo