



Algirdas Avižienis

Founder of IFIP WG 10.4

Pioneer of Fault-Tolerant Computing

Builder of a Global Community

A Life Shaped by History

Born July 8, 1932 — right here, in Kaunas, Lithuania

1940–44

Soviet, then German occupation
Family flees Lithuania in 1944 in a horse-drawn wagon

1945–50

Displaced Persons camp in Bavaria
Community schools, scouts, culture kept alive in exile

1950

Arrives in New York harbor on March 3
Green card in hand, future wide open

1951–55

University of Illinois. B.S. then M.S. in Electrical Engineering

Inventing Fault Tolerance

JPL, 1962. Mission: design a computer that survives 12 years of unattended deep-space flight

STAR

Self-Testing and Repairing

1967

Introduces the term 'fault tolerance' at FJCC conference

1971

STAR is documented in U.S. Patent 3,517,171 and IEEE Transactions on Computers

1977

Voyager spacecraft, carrying STAR's heritage, launched toward the outer planets

Today

Voyager 1 & 2 still communicate from outside our solar system

Founding IFIP WG 10.4

“All of about 50 IFIP member countries should have access to our research and other activities.”

— Algirdas Avižienis,
on why he founded WG 10.4

1972

NSF 5-year grant: Dependable Computing & Fault-Tolerant Systems Lab at UCLA

1980

Founds IFIP WG 10.4 in London
Chaired until 1992

1984

First full meeting in Launceston, Australia
Community takes shape

1992+

N-Version Programming
Fundamental taxonomy of dependability

Lasting Legacy

Visionary Engineer

Conceived fault-tolerant computing when no one had the words for it yet

Space Pioneer

His ideas live on in Voyager, still traveling beyond our solar system

Community Builder

Founded WG 10.4 so that every nation could share in the science

Mentor & Leader

Chaired the group for 12 years, shaping generations of researchers

Born in Kaunas. Remembered here, in Kaunas.

Obrigado