

Seminar Invitation

The Nature of Consciousness

Dr. Federico Faggin

June 22, 2023 – 10:00 AM

Aula di Disegno, Università degli Studi di Pavia
Corso Strada Nuova 65 – Pavia

with the introduction of Prof. Federico Forneris, Vice-Rector for Research of the University of Pavia.

About the speaker: Federico Faggin is an Italian physicist, engineer, inventor, and entrepreneur. He is best known for designing the first commercial microprocessor, the Intel 4004. He led the 4004 (MCS-4) project and the design group during the first five years of Intel's microprocessor effort. Faggin also created, while working at Fairchild Semiconductor in 1968, the self-aligned MOS (metal-oxide-semiconductor) silicon-gate technology (SGT), which made possible MOS semiconductor memory chips, CCD image sensors, and the microprocessor. After the 4004, he led the development of the Intel 8008 and 8080, using his SGT methodology for random logic chip design, which was essential to the creation of early Intel microprocessors. He was co-founder (with Ralph Ungermann) and CEO of Zilog, the first company solely dedicated to microprocessors, and led the development of the Zilog Z80 and Z8 processors. He was later the co-founder and CEO of Cygnet Technologies, and then Synaptics.

In 2010, he received the 2009 National Medal of Technology and Innovation, the highest honor the United States confers for achievements related to technological progress. In 2011, Faggin founded the Federico and Elvia Faggin Foundation to support the scientific study of consciousness at US universities and research institutes. In 2015, the Faggin Foundation helped to establish a \$1 million endowment for the Faggin Family Presidential Chair in the Physics of Information at UC Santa Cruz to promote the study of "fundamental questions at the interface of physics and related fields including mathematics, complex systems, biophysics, and cognitive science, with the unifying theme of information in physics". In 2022, the Faggin Foundation made a donation to Università degli Studi di Pavia for financing a professorship in Theoretical Physics, assigned to Prof. G. M. D'Ariano.

To help the organization, please reserve your seat at the address:

<https://www.eventbrite.it/e/seminar-federico-faggin-tickets-652810041407>

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