

第10回<特別講演>

「知の創発」研究拠点 プロジェクト研究会

日時

2019年10月29日(火)

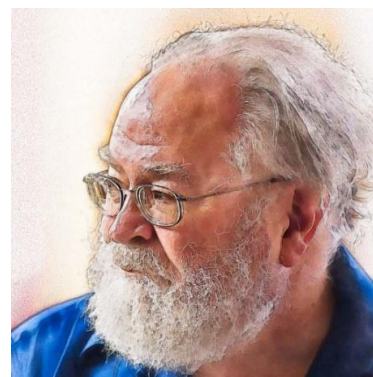
15:30~16:30

場所

創発学術院 (16号館10階)

講師

James A. Yorke



Distinguished University Research Professor of
Mathematics and Physics, University of Maryland

The Many Faces of Chaos

Scientists were probably the last people to find out about chaos. Everyone knows our lives are all chaotic: predictable in the very short run and unpredictable in the long run. Chaos is an area of science and mathematics that describes situations in which small changes can cascade into larger and larger long-term effects.

Meteorologist Edward Lorenz, one of the founders of chaos theory, suggested in 1972 that the flap of a butterfly's wings in Brazil might set off a tornado in Texas, implying that we can never know all the factors that determine our weather. At best we can only predict the details of the weather a few days ahead.

Chaos is a concept with many facets or aspects. It has several definitions that emphasize different aspects of chaos. No definition is complete. My talk will illustrate how focusing on different aspects of chaos leads us in different directions and results in a fuller understanding of chaos.

お問い合わせ

創発学術院事務局

内線 : 8825

MAIL: sohatu@office.chubu.ac.jp