Computational Psychiatry: A New Discipline

Péter Érdi

This emerging new discipline grew up from computational neuroscience. The lecture discusses the following topics:
- Computational Psychiatry: Do We (You) Need It?
- Neurological and Psychiatric Disorders as Dynamical Diseases
- The Schizophrenic Brain: Multiple Levels
- Schizophrenia as a Disconnection Syndrome
- Pathological Brain Rhythms and Dynamical Neuropharmacology
- Take home message

Péter Érdi serves at the Henry R. Luce Professor of Complex Systems Studies, at Kalamazoo College, Kalamazoo, MI and the head of the Dept. Biophysics, KFKI Research Institute for Particle and Nuclear Physics of the Hungarian Academy of Science, Budapest. He is also the co-director of the Budapest Semester in Cognitive Science study abroad program.

Major books:

