

COST Action CaLISTA (CA21109)
"LIE THEORY; CARTAN GEOMETRY; QUANTUM GROUPS;
INTEGRABLE SYSTEMS; VISION"
II. Annual Meeting : CaLISTA'24
27-31 May 2024, Sofia, Bulgaria

Abstracts of public event - May 30, 2024, 17:00

Fioresi, Rita

Deep Learning and the Artificial Intelligence Revolution

The Deep Learning algorithm has accelerated the artificial intelligence revolution occurred at the turn of the millennium and transformed our world into science fiction territory. In this expository talk we will explain briefly the evolution of the algorithm, through the past few decades and its impact on the scientific research and on our everyday life.

Tekel, Juraj

What do microwave and X-ray have in common? And what does quantum gravity have to do with it?

Microwave heats up your food, X-ray can see through your luggage at the airport or help doctors to see through your body. It is probably no secret that both these properties use different forms of electromagnetic radiation. We will describe what this radiation is but most importantly explain why its discovery in the late 19th century was one of the most fascinating moments of the history of physics. And how this experience and knowledge motivates us in the search of the ultimate theory of quantum gravity.