



Contribution ID: 34

Type: **not specified**

Colloquium: Confinement: Past, Present and Future

Wednesday 14 September 2022 11:30 (1 hour)

I will discuss the phenomenon of quark confinement exhibited by quantum chromodynamics - the theory describing one of the four known fundamental forces of nature - as well as by more general non-abelian gauge theories. After reviewing some history of this rich subject, I will explain that the recent progress in understanding of it was achieved due to focusing on a specific object, a long confining string in pure Yang-Mills theory. I will then describe what are the prospects for “solving” confinement in the future.

Presenter: GORBENKO, Victor