RESEARCH INSTITUTE FOR FUNDAMENTAL SCIENCES

Celebrating 60 Years of TÜBİTAK

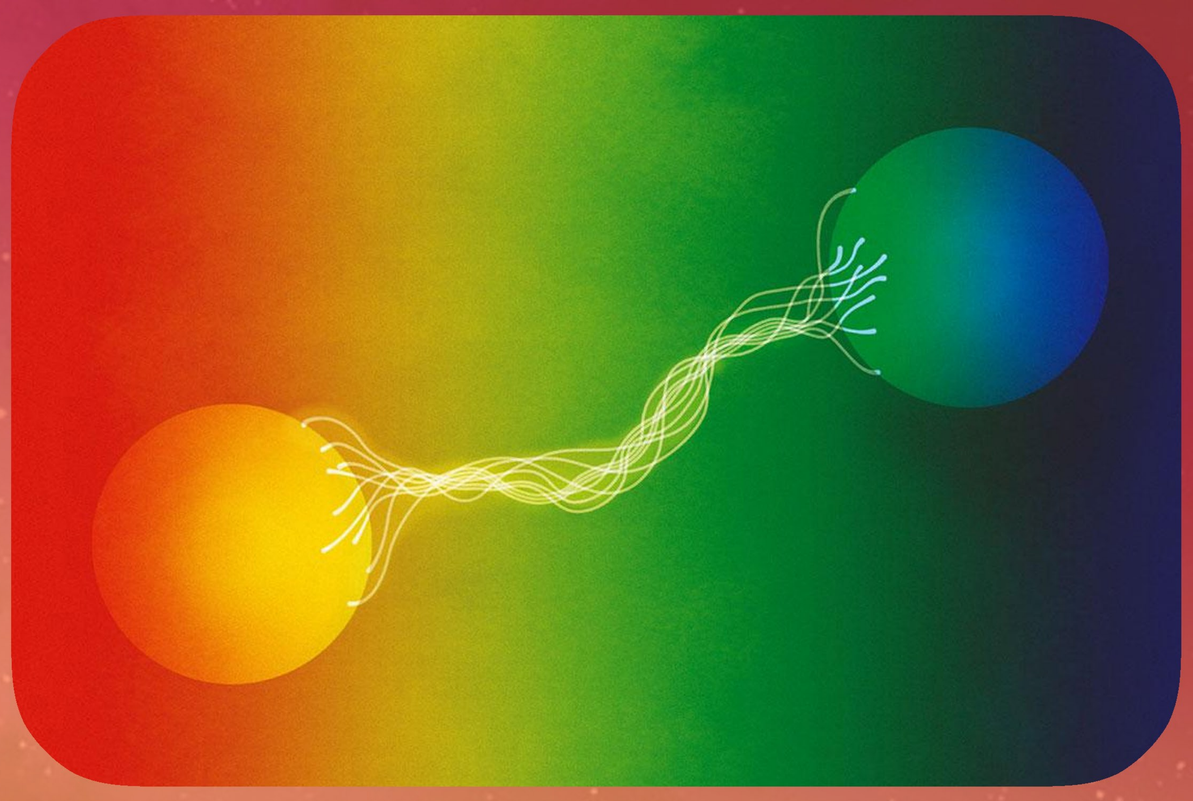
Scientific Türkiye: Public Lecture Series

Could Quantum Mechanics Make Technology and Our Life Better?

July 25 2023, 14:00 – 15:00 (GMT +3), Gebze, TÜRKİYE

Alexander Sergienko

Boston University, USA



Credit: J. Jarnestad/The Royal Swedish Academy of Sciences

The mysterious features of basic quantum theory such as entanglement are getting more and more often used by optical engineers to design useful devices that outperform their classical counterparts. Novel quantum technical solutions promise to revolutionize multiple areas of modern technology and make various aspects of our life better. Quantum communication and super-resolution quantum sensing are two major areas that are currently experience a very extensive development all over the World. The recent 2022 Nobel Prize awarded for the experimental discovery and demonstration of major features of optical entanglement is a clear sign that this is a key area of future science and technology development.

Organizer: Alikram Nuhbalaoğlu (Director of TÜBİTAK TBAE)

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TÜBİTAK-Temel Bilimler Araştırma Enstitüsü (TBAE)
Popüler Konuşmalar
Gebze, TÜRKİYE

TÜBİTAK Temel Bilimler Araştırma Enstitüsü ülkemizin ve dünyanın önde gelen bilim insanlarının katılımıyla popüler konuşmalar serisi düzenlemektedir. Bu etkinliklerin amacı bilim sevgisini ve araştırma heyecanını toplumun geniş kesimleriyle paylaşmak, ülkemizde bilimsel merakın ve bilim kültürünün yaygınlaşmasına önemli katkılar sağlamaktır.

Bu kapsamda, Boston Üniversitesi'nden (ABD) Prof. Dr. Alexander Sergienko *"Kuantum Mekaniği Teknolojiyi ve Hayatımızı Daha İyi Hale Getirebilir mi?"* başlıklı bir konuşma yapacaktır.

Adı geçen konuşma, 25 Temmuz 2023 tarihinde, saat 14 – 15:00 (GMT +3) arasında **yüz yüze** gerçekleştirilecektir.

Web Sitesi: https://tbae.tubitak.gov.tr/tr/haber/kuantum-mekanigi-teknolojiyi-ve-hayatimizi-daha-iyi-hale-getirebilir-mi

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TÜBİTAK-Research Institute for Fundamental Sciences (TBAE)
Public Lecture Series
Gebze, TÜRKİYE

TÜBİTAK Research Institute for Fundamental Sciences organizes public lecture series with the participation of the leading scientists of our country and the world. The aim of these events is to share the passion for science and research with a wide audience, as well as to foster scientific curiosity and scientific culture in the society.

As part of these lecture series, Prof. Dr. Alexander Sergienko from Boston University (USA) will give a talk entitled *"Could Quantum Mechanics Make Technology and Our Life Better?"*

The talk will be held **in-person** on July 25 2023, 14:00 – 15:00 (GMT +3).

Web Site: https://tbae.tubitak.gov.tr/en/haber/could-quantum-mechanics-make-technology-and-our-life-better