

TÜBİTAK-Research Institute for Fundamental Sciences (TBAE)
Inspiring Online Seminars Series
Gebze, TURKEY

It is very unfortunate that Covid-19 coronavirus outbreak continues to evolve in the world. As a consequence, many research and training activities such as conferences, workshops, summer schools are postponed or cancelled. In order to mitigate the negative impacts of this situation on scientific thoughts and science-based actions, TBAE organizes inspiring Online Seminar Series for national and international audiences in various branches of fundamental science as well as interdisciplinary areas.

- 1) As part of the Quantum Science and Technology Seminar Series of TBAE, Prof. Dr. Irfan Siddiqi from the University of California, Berkeley (USA) will give a talk entitled “*The Promise of Superconducting Quantum Information Processing*”.

The talk will be held on November 4 2021, 19:00 – 20:00 (GMT +3) via Zoom platform <https://tubitak-gov.zoom.us/j/93036869736> (Meeting ID: 930 3686 9736) and will be live-streamed on our youtube channel: <https://www.youtube.com/c/tubitaktbae>

Web Site: <https://tbae.tubitak.gov.tr/en/haber/promise-superconducting-quantum-information-processing>

- 2) As part of the Astronomy and Space Sciences Seminar Series of TBAE, Prof. Dr. Wendy L. Freedman from the University of Chicago (USA) will give a talk entitled “*What is the Tension in the Hubble Constant Telling Us?*”

The talk will be held on November 6 2021, 19:00 – 20:00 (GMT +3) via Zoom platform <https://tubitak-gov.zoom.us/j/93675322332> (Meeting ID: 936 7532 2332) and will be live-streamed on our YouTube channel: <https://www.youtube.com/c/tubitaktbae>

Web Site: <https://tbae.tubitak.gov.tr/en/haber/what-tension-hubble-constant-telling-us>

- 3) As part of the Biological Sciences Seminar Series of TBAE, Prof. Dr. Ahmet Yıldız from the University of California, Berkeley (USA) will give a talk entitled “*Mechanism and Regulation of Motor Proteins*”.

The talk will be held on November 11 2021, 19:00 – 20:00 (GMT +3) via Zoom platform <https://tubitak-gov.zoom.us/j/95787078625> (Meeting ID: 957 8707 8625) and will be live-streamed on our YouTube channel: <https://www.youtube.com/c/tubitaktbae>

Web Site: <https://tbae.tubitak.gov.tr/en/haber/mechanism-and-regulation-motor-proteins>

- 4) As part of the Quantum Science and Technology Seminar Series of TBAE, Prof. Dr. Nai Phuan Ong from Princeton University (USA) will give a talk entitled “*Quantum Properties of the Kitaev Spin Liquid in RuCl₃ Probed by Heat Transport*”.

The talk will be held on November 13 2021, 19:00 – 20:00 (GMT +3) via Zoom platform <https://tubitak-gov.zoom.us/j/97706026504> (Meeting ID: 977 0602 6504) and will be live-streamed on our youtube channel: <https://www.youtube.com/c/tubitaktbae>

Web Site: <https://tbae.tubitak.gov.tr/en/haber/quantum-properties-kitaev-spin-liquid-rucl3-probed-heat-transport>

- 5) As part of the Chemical Sciences Seminar Series of TBAE, Prof. Dr. Andrei K. Yudin from the University of Toronto (Canada) will give a talk entitled “*Development of Bioactive Molecules Using the Tools of Chemical Synthesis*”.

The talk will be held on November 18 2021, 19:00 – 20:00 (GMT +3) via Zoom platform <https://tubitak-gov.zoom.us/j/99508602956> (Meeting ID: 995 0860 2956) and will be live-streamed on our YouTube channel: <https://www.youtube.com/c/tubitaktbae>

Web Site: <https://tbae.tubitak.gov.tr/en/haber/development-bioactive-molecules-using-tools-chemical-synthesis>

- 6) As part of the Interdisciplinary Seminar Series of TBAE, Prof. Dr. Ju Li from Massachusetts Institute of Technology (USA) will give a talk entitled “*Elastic Strain Engineering for Unprecedented Properties*”.

The talk will be held on November 20 2021, 21:00 – 22:00 (GMT +3) via Zoom platform <https://tubitak-gov.zoom.us/j/96780767265> (Meeting ID: 967 8076 7265) and will be live-streamed on our YouTube channel: <https://www.youtube.com/c/tubitaktbae>

Web Site: <https://tbae.tubitak.gov.tr/en/haber/elastic-strain-engineering-unprecedented-properties>

- 7) As part of the Mathematical Physics and Applied Mathematics Seminar Series of TBAE, Prof. Dr. Anton Kapustin from California Institute of Technology (USA) will give a talk entitled “*Is Quantum Mechanics Exact?*”

The talk will be held on November 25 2021, 19:00 – 20:00 (GMT +3) via Zoom platform <https://tubitak-gov.zoom.us/j/92754602613> (Meeting ID: 927 5460 2613) and will be live-streamed on our YouTube channel: <https://www.youtube.com/c/tubitaktbae>

Web Site: <https://tbae.tubitak.gov.tr/en/haber/quantum-mechanics-exact>

- 8) As part of the Mathematical Physics and Applied Mathematics Seminar Series of TBAE, Prof. Dr. John Pendry from Imperial College London (UK) will give a talk entitled “*Metamaterials Open New Horizons in Electromagnetism*”.

The talk will be held on November 27 2021, 19:00 – 20:00 (GMT +3) via Zoom platform <https://tubitak-gov.zoom.us/j/94228509367> (Meeting ID: 942 2850 9367) and will be live-streamed on our YouTube channel: <https://www.youtube.com/c/tubitaktbae>

Web Site: <https://tbae.tubitak.gov.tr/en/haber/metamaterials-open-new-horizons-electromagnetism>