

## Modern Topics in Nanophysics

### Fundamentals: Nanophysics in Everyday Life and the Future Prospects

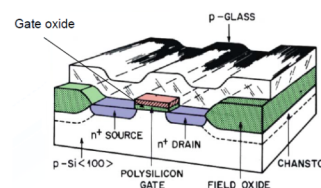
The purpose of the discussion series by [Vahe Tshitoyan](#) is to provide participants with fundamental understanding of the physics of nanostructures, using some example applications from everyday life, to give an overview of modern research going on in the field, and to try to understand what to expect in the future. We hope that the participants will improve their English language skills, since the seminar will primarily be conducted in English. The participants will also have an opportunity to present their own topic of interest. By providing a good overview of certain topics in nanophysics, we intend to motivate the attendees to pursue self-study and research in the sphere.

The seminars will be held on the 22<sup>nd</sup>, 23<sup>rd</sup>, and 24<sup>th</sup> of February, at 15:00 pm. Each session will last 2 hours.

#### Main Seminar Topics:

- Semiconductor Nanophysics & Graphene
- Ferromagnetism & Spintronics
- Selected Topics (based on the proposals received from the participants)

The event is mainly aimed at students in their 3<sup>rd</sup> year of undergraduate studies in physics, yet the first part of the seminar sessions might also interest first- and second-year students, and even high-school students who take a keen interest in physics.



#### To participate, please:

- fill out the short application form provided on [www.luys.am](http://www.luys.am);
- send the filled out form to [workshop@luys.am](mailto:workshop@luys.am) with the title "Modern Topics in Nanophysics" by February 19.

All the registered participants will receive an email indicating the place of the discussion series and other details on February 20.

