

**Семинар Лаборатории Алгебраической геометрии
и ее приложений**

Семинар состоится в пятницу 18 октября 2019 года.

Начало в 17:00.

Семинар будет проходить по адресу: **ул. Усачева, д.6,**
аудитория 306

На семинаре выступит

**Gueo
Grantcharov**



(Florida International University) c

докладом:

***Relations between Laplace spectra
and geometric quantization of
Riemannian symmetric spaces***

Abstract: In a joint work with Dimitar Grantcharov we applied a modified Kostant-Souriau geometric quantization scheme due to and Czyz-Hess to the cotangent bundles of compact rank-one Riemannian symmetric spaces (CROSS). It turns out that the energy spectrum obtained from the quantization is related to the spectrum of the Laplace-Beltrami operator of the CROSS. Moreover, the real dimensions of the corresponding eigenspaces coincide with the complex dimensions of the spaces of holomorphic sections of the quantum bundles. In the talk I'll explain the construction, as well as its extension to the Riemannian symmetric spaces of arbitrary rank.

Приглашаются все желающие!