

# Program för Svenska Matematikersamfundets höstmöte 2017

MIT-huset, rum MC313.

13.15-14.00 Maurice Duits: *Global Fluctuations of Eigenvalues of Random Matrices*

Starting from the classical example of the Gaussian Unitary Ensemble, the purpose of the talk is to provide an introduction to the study of global fluctuations of eigenvalues of random matrices and related models. The emphasis will be on Gaussian fields appearing in the asymptotic fluctuations of the height functions. A particularly interesting example is the two dimensional massless Gaussian free field describing the fluctuations of the spectra of various time dependent random matrices.

14.05-14.35 Klara Leffler *Model based compressed sensing*

14.35-15.00 Fika

15.00-15.45 Nick Day *Multicolour Ramsey Numbers of Odd Cycles*

16.00-17.00 Medlemsmöte

18.00: Middag för registrerade deltagare. Pub och Restaurang Rött.