# Number theory

## Critical zeros of $L$-functions

**Henryk Iwaniec**
Rutgers University, USA

This will be a survey talk on the distribution of zeros of the Riemann zeta function and the Dirichlet $L$-series on the critical line. The most recent result (joint with Brian Conrey and Kannan Soundararajan) asserts that the $L$-functions have at least 60% zeros on the line on average with respect to the characters. Small and large gaps between zeros will be also discussed.