## Spring 2018/MA 434 HW 16: Let's have a metric ball!

## 1. READING:

(1) Read Sections 5.2 - 5.3 and 9.1. If you are not one of the presenters below, you may skim the parts assigned for presentations.

## 2. Homework:

- (1) For Tues, Haoyu should be prepared to present the material from Section 5.1, focussing on Proposition 5.4 and its proof.
- (2) For Tues, Shabab should be prepared to present the material on pages 166 168, on normal forms for the lamplighter group for  $L_2$ . You may wish to consult Taback's article which was distributed in class.
- (3) Do problems (2), (3), and (one of (4), (5)) on page 119.