

**Parallel Session 13      Thursday, July 5, 08:00AM-10:00AM**

| Special Session<br>44 | <b>Applications of Chaotic and Stochastic Multiscale Dynamics</b><br>Organizer(s): Rafail Abramov, Gregor Kovacic, Ilya Timofeyev  | Location<br><b>REH-2</b> |
|-----------------------|--|--------------------------|
| 8:00-8:30             | Sebastien Motsch (CSCAMM, University of Maryland, USA)<br>A traffic model for pedestrian and its comparison with experimental data | Abstracts<br>p. 188      |
| 8:30-9:00             | Ilya Timofeyev (University of Houston, USA)<br>From Stochastic to Coarse-grained Models of Pedestrian Traffic                      | Abstracts<br>p. 189      |
| 9:00-9:30             | Marija Vucelja (Courant Institute of Mathematical Sciences, USA)<br>Irreversible Monte Carlo algorithms for efficient sampling     | Abstracts<br>p. 190      |
| 9:30-10:00            | Katherine A Newhall (Courant Institute, NYU, USA)<br>Magnetization reversal in thin film magnetic elements                         | Abstracts<br>p. 189      |