

# CROWD DYNAMICS AND ESCAPE PANIC

$$m_i \frac{d\mathbf{v}_i}{dt} = m_i \frac{v_i^0(t) \mathbf{e}_i^0(t) - \mathbf{v}_i(t)}{\tau_i} + \sum_{j(\neq i)} \mathbf{f}_{ij} + \sum_W \mathbf{f}_{iW}$$

