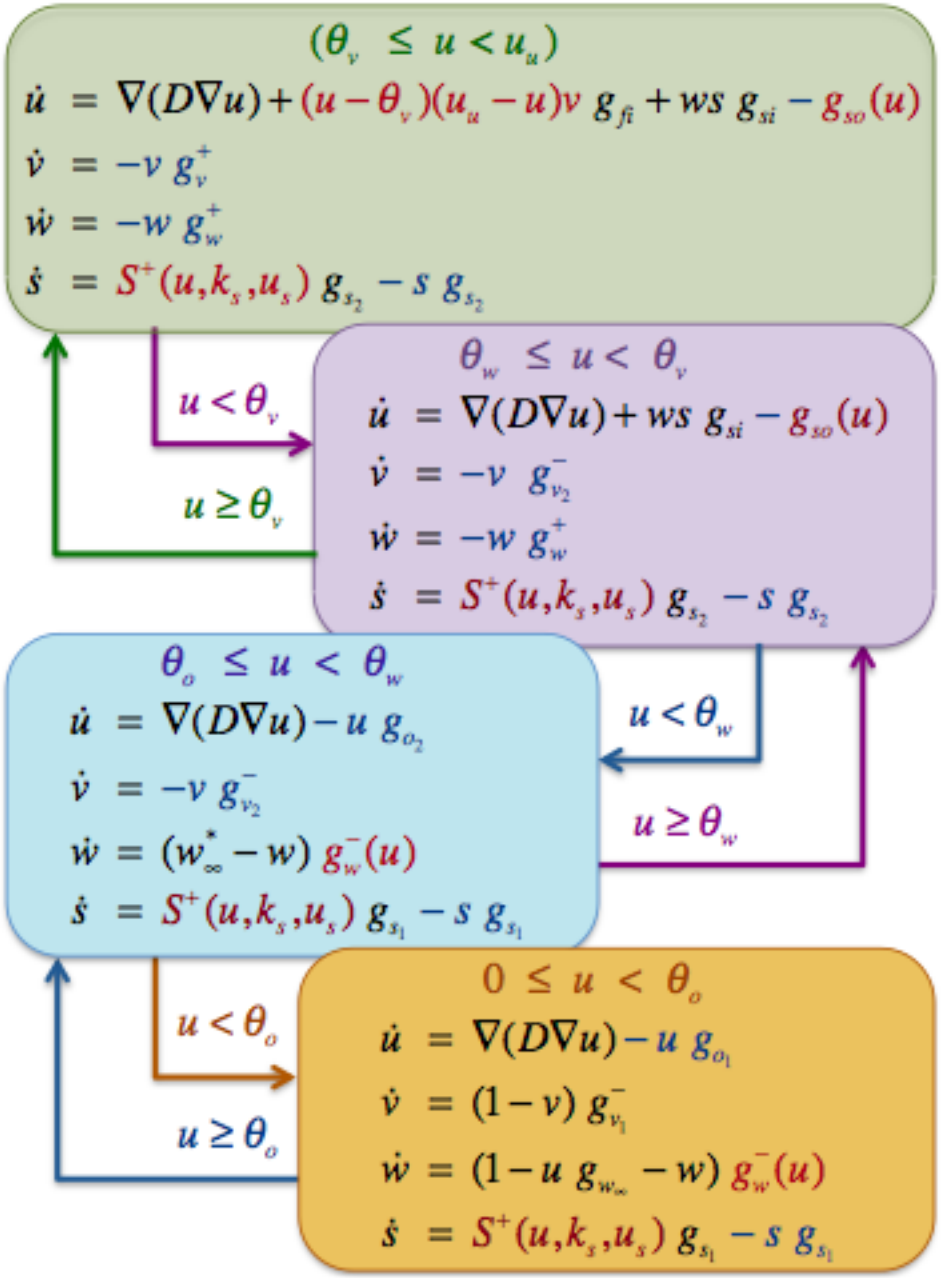

Fig. 6. Hybrid automaton for the MCM model.

TABLE I

PARAMETER VALUES FOR MRM AND MCM

MRM		MCM		MRM		MCM	
Par	Val	Par	Val	Par	Val	Par	Val
θ_o	0.006	θ_o	0.006	$\tau_{v_1}^-$	60	$g_{v_1}^-$	0.01666
u_w^-	0.03	$u_w^{'-}$	0.0406	$\tau_{v_2}^-$	1150	$g_{v_2}^-$	0.00086
θ_w	0.13	θ_w	0.13	$\tau_{w_1}^-$	60	$g_{w_1}^-$	0.01666
θ_v	0.3	θ_v	0.3	$\tau_{w_2}^-$	15	$g_{w_2}^-$	0.06666
u_{sc}	0.65	u'_{sc}	1.4824	τ_{o_1}	400	g_{o_1}	0.0025
u_s	0.9087	u_s	0.9087	τ_{o_2}	6	g_{o_2}	0.16666
u_u	1.55	u_u	1.55	τ_{so_1}	30.0181	g_{so_1}	0.03331
w_∞^*	0.94	w_∞^*	0.94	τ_{so_2}	0.9957	g_{so_2}	1.00431
k_w^-	65	k_w^-	65	τ_{s_1}	2.7342	g_{s_1}	0.36453
k_{sc}	2.0458	k_{sc}	2.0458	τ_{s_2}	16	g_{s_2}	0.0625
k_s	2.0994	k_s	2.0994	τ_{fi}	0.11	g_{fi}	9.0909
τ_v^+	1.4506	g_v^+	0.68936	τ_{si}	1.8875	g_{si}	0.5298
τ_w^+	200	g_w^+	0.005	$\tau_{w\infty}$	0.07	$g_{w\infty}$	142.8571