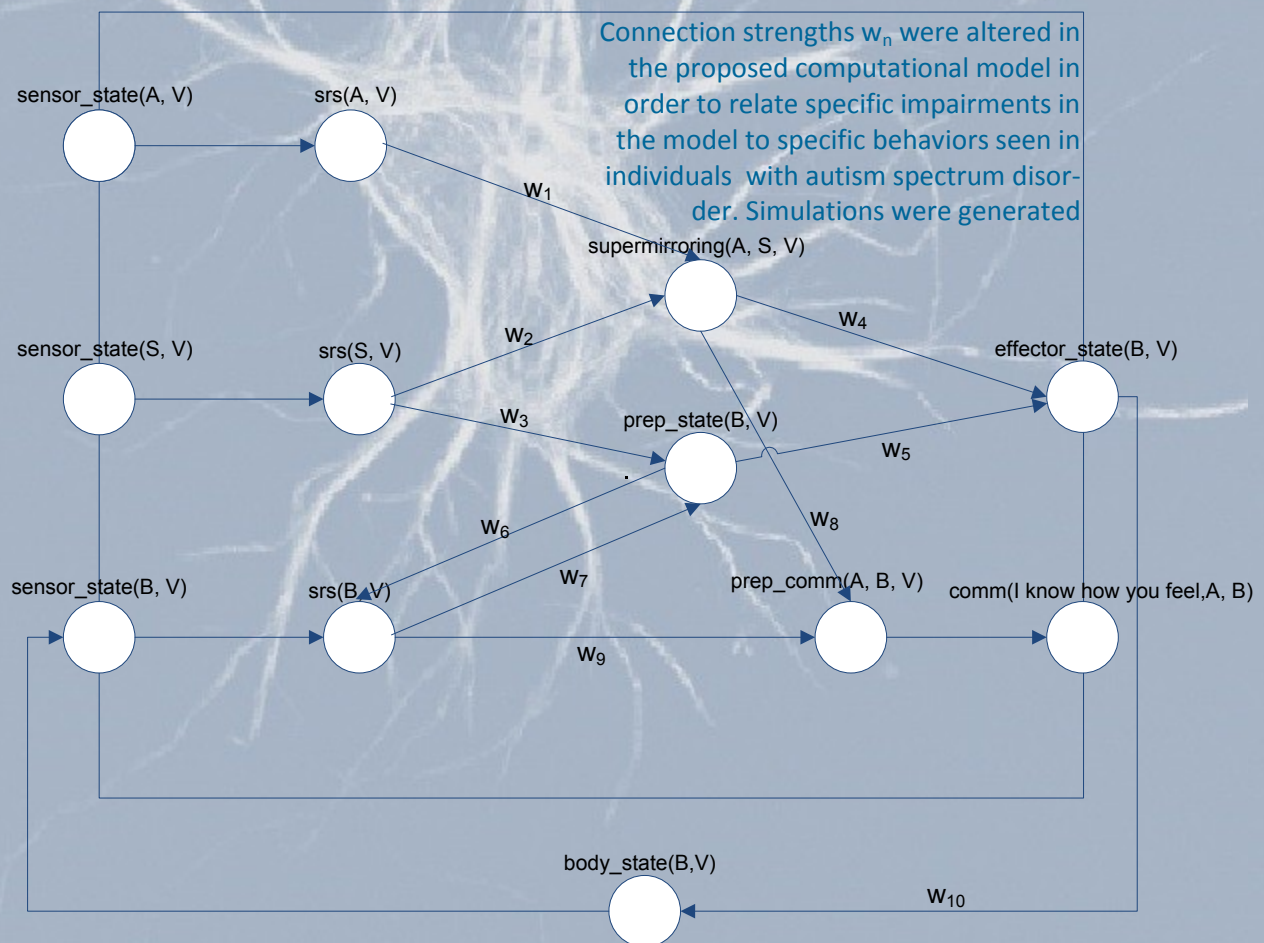


# A Computational Model for Autism Spectrum Disorder

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Persons with autism spectrum disorder (ASD) deficit impairments in social interaction. Some typical behaviors seen in individuals with ASD are linked to a dysfunctional mirror neuron system. A theory which relates ASD and mirror neurons is given by neurologist Marco Iacoboni (2008).



The above visualized computational model is proposed and modeled using LEADSTO. It offers a support for Iacoboni's hypothesis. The mirror neuron system forms the basis for the computational model. The current research is used to analyze which impairments in the model explain behaviors in terms of autism spectrum disorder. with ASD.