

Papers relating to group members' research

Please see the following papers for insight into what various group members are working on.

Kate Burleson-Lesser

[Theories for influencer identification in complex networks](#), S. Pei, F. Morone, and H.A. Makse (in *Spreading Dynamics in Social Systems*, Lehmann and Ahn, eds.

[Information Theory and Statistical Mechanics](#), E.T. Jaynes

[Exact Covariance Thresholding into Connected Components for Large-Scale Graphical Lasso](#), R. Mazumder and T. Hastie

[Systemic risk in banking ecosystems](#), A.G. Haldane and R.M. May

Francesca Arese Lucini

[Cerebral mechanisms of word masking and unconscious repetition priming](#), S. Dehaene *et al.*

[Influence maximization in complex networks through optimal percolation](#), F. Morone and H.A. Makse

Qiongge Li

[The Human Connectome: A Structural Description of the Human Brain](#), O. Sporns, G. Tononi, and R. Kötter

[Network attributes for segregation and integration in the human brain](#), O. Sporns

[Model of brain activation predicts the neural collective influence map of the brain](#), F. Morone, K. Roth, B. Min, H.E. Stanley, and H.A. Makse

[A small world of weak ties provides optimal global integration of self-similar modules in functional brain networks](#), L.K. Gallos, H.A. Makse, and M. Sigman

Zhenhua Wang

[A phenomenological model of seizure initiation suggests network structure may explain seizure frequency in idiopathic generalised epilepsy](#), O. Benjamin *et al.*

[Neural excitability, spiking and bursting](#), E.M. Izhikevich

[A small change in neuronal network topology can induce explosive synchronization transition and activity propagation in the entire network](#), Z. Wang, C. Tian, M. Dhamala, and Z. Liu

Jiannan Wang

[Validation of Twitter opinion trends with national polling aggregates: Hillary Clinton vs Donald Trump](#), A. Bovet, F. Morone, H.A. Makse