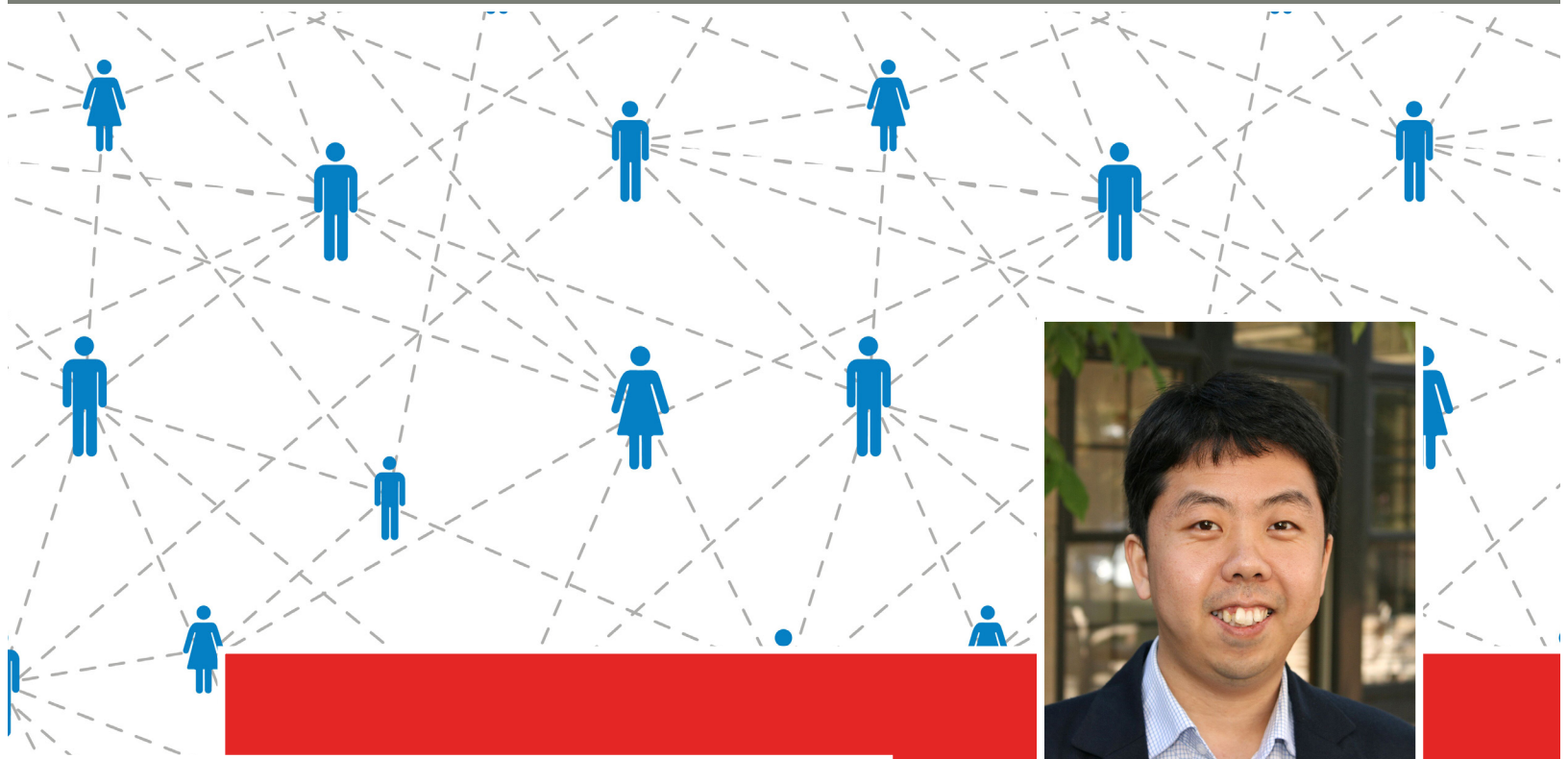


PHYSICS AND ASTRONOMY COLLOQUIUM SPEAKER SERIES



What do brain and society have in common?

A human brain is a network of neurons connected through synapses; our society is a network of people connected through social relationships. Other than the fact that both of them are huge networks, do they share anything else in common?

This talk will discuss the possibility that the same types of dynamics, complex contagion, govern these systems. In particular, the phenomenon of optimal modularity will be presented as a potentially important mechanism that shapes the structure of the networks.

Friday, September 28
Science B 146
4:00 pm



Dr. Yong Yeol Ahn Associate Professor Informatics and Computing Indiana University

Yong-Yeol (YY) Ahn is an Associate Professor at the Indiana University School of Informatics, Computing, and Engineering. He worked as a postdoctoral research associate at the Center for Complex Network Research at Northeastern University and as a visiting researcher at the Center for Cancer Systems Biology at Dana-Farber Cancer Institute after earning his Ph.D. in Statistical Physics from KAIST in 2008. He made contributions in a variety of areas including the study of network community structure, information diffusion, and culture. He is a recipient of several awards including Microsoft Research Faculty Fellowship and LinkedIn Economic Graph Challenge.

Refreshments provided
Everyone is welcome!



UNIVERSITY OF CALGARY
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