

## **Of Stars and Galaxies – Co-authorship Networks and Publications**

**Prof. Li Zhen  
Department of Accounting  
National University of Singapore**

### **Abstract**

We examine co-authorship network and publication characteristics in the accounting literature based on three top accounting journals, *JAR*, *JAE* and *TAR*, during 1980 to 2016. We find that, the co-authorship network in accounting academia is a “small world” with the most connected authors play a key role in linking authors in the network. We use machine learning topic modelling method to label published papers with multiple topics and show patterns in the changes in topics over time. Further, we use an instrumental variable approach to estimate the impact of co-authorship on research productivity and time-series topic stickiness and find that co-authorship has a positive impact on research productivity and negative impact on topic stickiness.