The School of Economics in partnership with the Economic Design Network is pleased to present a half day workshop “Networks and Games: A Mini–Course” with Professor Myrna Wooders

Thursday 13 September
8:30am—12:00pm
Room 112 Level 1 Colin Clark Building
39 Blair Drive, St Lucia

Seminar attendance is free of charge
Places are limited—register early to guarantee a spot

“In many economic and social situations the totality of interactions between individuals and coalitions can be modeled as a network. This mini-course will focus on the questions: given preferences of individuals and rules governing network formation, what networks are likely to emerge and persist? To address these questions I will introduce the Page-Wooders model of network formation whose primitives consist of a feasible set of networks, player preferences, the rules of network formation, and a dominance relation. The rules of network formation may range from noncooperative, where players may only act unilaterally, to cooperative, where coalition consisting of multiple players may act in concert. The dominance relation may be either direct or indirect. Under direct dominance players are concerned with immediate consequences of their network formation strategies whereas under indirect dominance players are farsighted and consider the eventual consequences of their strategies. As we will discuss, the framework can accommodate a wide variety of social and economic situation. As applications of the framework, I will also discuss network models of clubs”
Myrna Wooders, Professor of Economics at Vanderbilt University and the University of Warwick, is a Fellow of the Econometric Society, Editor of Journal of Public Economic Theory, President of the Association of Public Economic Theory, Founding Editor of Economics Bulletin, Charter Member of the Game Theory Society, and has been an elected member of the Game Theory Society Council. Professor Wooders has researched primarily in the areas of public economic theory, game theory and network theory. She has published extensively on club theory, the theory of local public goods and coalition theory. Her publications include articles in *Econometrica, Journal of Economic Theory, Games and Economic Behavior* and other leading journals. Professor Wooders has held visiting appointments at Paris 1, Yale, Bonn, CentER for Economic Research (Tilburg), Hebrew University, CORE (Louvain-la-Neuve), the Autonomous University of Barcelona, and California Institute of Technology, among other institutions. Her co-authors number over fifteen, and include Nobel Laureate Reinhard Selten (Bonn), Professor Martin Shubik (Yale), and Professor Stef Tijs (Tilburg). Her awards include the prestigious Connaught Fellowship in the Social Sciences and a Humboldt Research Award for Foreign Scientists (Germany. She has organized numerous scientific events, including Program Chair of the 1994 North American Summer Meetings of the Econometric Society, and been guest editor of several journals, including *Social Choice* and *Welfare and Games* and *Economic Behavior*. Her recent research continues her work on club theory and coalitional games and new lines of research on stereotyping, and networks.

To register your attendance for the course please complete the on-line registration form by Tuesday 11 September

http://www.uq.edu.au/economics/

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