

Mini-symposium for CMPD5

1 Title

“Ecological and Evolutionary Modeling with Applications to Invasive Species Control”

2 Organizer

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3 Synopsis

The control of invasive species remains a paramount issue in ecology. To this end there has been a rapid growth of techniques and methods rooted in population dynamics that aim to control such species, with minimal damage to native species and the environment. There is also a fair amount of evidence that points to evolutionary dynamics and population dynamics taking place on similar time scales, as concerns various invasive species. Thus in order to devise effective control mechanisms researchers must further investigate biological control methods and eco-evolutionary dynamics techniques. This symposium will serve as a forum to bring together applied mathematicians, theoretical ecologists and biologists working in these areas to share their recent results, exchange ideas and form new collaborations. These will assist the relevant mathematical and ecological communities to further combat invasive species.

4 Confirmed Speakers

- Xueying Wang, Washington State University
- Matthew Bearegard, Stephen F Austin State University
- Diana White, Clarkson University
- Jingjing Lyu, DePaul University
- Sarah Boon, Stephen F Austin State University
- Aladeen Basheer, University of Georgia

- Swati Patel, Tulane University
- Sureni Wickramsooriya, Clarkson University
- Linda Auker, St. Lawrence University
- Eric Takyi, Iowa State University
- Rana Parshad, Iowa State University
- Kwadwo Anti-Fordjour, Samford University