

Open Calendar

Wed 2015-07-08

All day

2015 KAIST CMC Mathematical Biology Conference on Cross-diffusion, chemotaxis, and related problems

Wed 2015-07-08 - Sun 2015-07-12

9am - 10am registration & opening remarks by KAIST CMC director

10am - 10:40am Chipot, Michel: On some nonlocal problems

10:40am - 11:20am

Logak, Elisabeth: A nonlocal system modelling the spread of epidemics on networks

11:20am - 11:50am tea time

11:50am - 12:30pm Li, Fang: Nonlocal effects in some mathematical models from biology

12:30pm - 2pm lunch (faculty club) & free time

2pm - 2:40pm Laurecot, Philippe: A thin film approximation of the Muskat problem

2:40pm - 3:20pm

Taniguchi, Masaharu: Multidimensional traveling fronts in reaction-diffusion equations

3:20pm - 4pm tea time

4pm - 4:30pm Kim, Yong Jung: diffusion with non-constant steady state

4:30pm - 5pm

Choi, Beomjun: Macroscopic scale convergence of a microscopic kinetic model to starvation driven diffusion

5pm - 5:30pm Choi, Sunho: A chemotaxis model with metric of food

Thu 2015-07-09

All day

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9:30am - 10am free discussion and tea time

10am - 10:40am Ei, Shin-Ichiro: Pulse dynamics of modified FitzHugh-Nagumo equation

10:40am - 11:20am Izuhara, Hirofumi: Pattern formation in chemotaxis-growth systems

11:20am - 11:50am tea time

11:50am - 12:30pm

Hilhorst, Danielle: Mathematical analysis of a PDE model describing chemotactic E. coli colonies

12:30pm - 2pm lunch (faculty club) & free time

2pm - 2:40pm Kang, Kyungkeun: On regularity for the Chemotaxis-Navier-Stokes Equations

2:40pm - 3:20pm

Kim, Yangjin: The role of chemotaxis and diffusion processes in tumor growth models

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3:20pm - 4pm tea time

4pm - 4:30pm Yoon, Changwook: Cell aggregation without gradient sensing

4:30pm - 5pm

Contento, Lorenzo: Two-dimensional traveling waves in a three-species competition-diffusion system

5pm - 5:30pm Kwon, Dohyun: Starvation Driven Diffusion in a Prey-Predator Model

6pm - 7pm banquet (conference dinner)

Fri 2015-07-10

All day

2015 KAIST CMC Mathematical Biology Conference on Cross-diffusion, chemotaxis, and related problems

Wed 2015-07-08 - Sun 2015-07-12

9:30am - 10am free discussion and tea time

10am - 10:40am Desvillettes, Laurent: Some recent results for cross diffusion equations

10:40am - 11:20am

Murakawa, Hideki: A linear finite volume method for nonlinear cross-diffusion systems

11:20am - 11:50am tea time

11:50am - 12:30pm

Wu, Yaping: Traveling waves and steady states for S-K-T competition model with cross-diffusion

12:30pm - 2pm lunch (faculty club) & free time

2pm - 2:40pm

Kwon, Ohsang: The effects of starvation driven diffusion on the dynamics of populations

2:40pm - 3:20pm

Alfaro, Matthieu: Slowing Allee effect vs accelerating heavy tails in population dynamics models

3:20pm - 4pm tea time

4pm - 4:20pm Ahn, Jaewook: Time Decay of the solutions of the Angiogenesis type system

4:30pm - 5pm Chung, Jaywan: Bistable nonlinearity having a discontinuity

5pm - 5:30pm closing & GDRI announcements

Sat 2015-07-11

All day

2015 KAIST CMC Mathematical Biology Conference on Cross-diffusion, chemotaxis, and related problems

Wed 2015-07-08 - Sun 2015-07-12

10am - 12pm group discussion

12pm - 1:30pm lunch (faculty club) & free time

1:30pm - 5:30pm excursion: Baekje culture land & museum

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■ 6pm - 7:30pm excursion dinner