ReaDiNet 2017: International Conference on Mathematical Biology
Date: Oct. 12 – Oct. 14, 2017
Venue: Rm 202, NCTS (Astro-Math Bldg., NTU)

Oct. 12 (Thu.), 2017

09:30–10:00	*Opening*	
10:00–10:30	*Propagating Waves in Farmers-hunter-gatherers Systems Arising in Neolithic Transition*	**Masayasu Mimura**
10:30–11:00	**Tea Time**	
11:00–11:30	*Spatio-temporal Oscillation for a Singular Predator-prey Model*	**Jong-Shenq Guo**
11:30–12:00	*A Spatially Heterogeneous Predator-prey Model with Ratio-dependent Functional Responses*	**Inkyung Ahn**
12:00–12:10	**Break**	
12:10–12:40	*Mathematical Models and Analysis for the Immune System*	**HyungJu Hwang**
12:40–14:00	**Lunch Break**	
14:00–14:30	*Large Time Behaviour of the Solution of a Nonlinear Diffusion Problem in Anthropology*	**Danielle Hilhorst**
14:30–14:40	**Break**	
14:40–15:10	*Dynamics for a Reaction-diffusion-advection Problem with Free Boundary*	**Chang-Hong Wu**
15:10–15:40	**Tea Time**	
15:40–16:10	*Microscopic Models for Fractional Reaction-Diffusion Equations with Dirichlet Boundary Conditions*	**Cédric Bernardin**
16:10–16:20	**Break**	
16:20–16:50	*Interplay between Fast Diffusion and Allee Effect*	**Thomas Giletti**
16:50–17:00	**Break**	
17:00–17:30	*Fast Reaction Limit: Classification and Analysis*	**Hideki Murakawa**
18:15–20:15	**Banquet**	

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Oct. 13 (Fri.), 2017

Time	Title	Speaker
09:30–10:00	*Applications of SIR Epidemic Models*	**Pierre Magal**
10:00–10:30	*A PDE System Modeling the Growth of Phytoplankton Consuming Inorganic Carbon with Internal Storage in a Water Column*	**Sze-Bi Hsu**
10:30–11:00	**Tea Time**	
11:00–11:30	*Some Patterns Formation for Nonlinear Elliptic Systems*	**Jaeyoung Byeon**
11:30–12:00	*Asymptotic and Transient Behaviour for a Nonlocal Problem with a Highly Concentrated Kernel*	**Arnaud Ducrot**
12:00–12:10	**Break**	
12:10–12:40	*A Limit Equation and Bifurcation Diagrams of Semilinear Elliptic Equations with General Supercritical Growth*	**Yasuhito Miyamoto**
12:40–13:30	**Lunch Break**	
13:30–14:00	*Turing Instabilities in Reaction-Diffusion with Fast Reaction*	**Delphine Salort**
14:00–14:30	*The Relationship between Deterministic and Stochastic Quasi-steady-state Approximations*	**Jae Kyoung Kim**

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Oct. 14 (Sat.), 2017

09:30–10:00	*Front Propagation in an Epidemiological Model with Mutations*	**Hiroshi Matano**
10:00–10:30	*Analysis of Poisson-Nernst-Planck Type Systems with Applications*	**Tai-Chia Lin**
10:30–11:00	**Tea Time**	
11:00–11:30	*Rippling Rectangular Waves for a Modified Benney Equation*	**Toshiyuki Ogawa**
11:30–12:00	*Smoldering Combustion in a Narrow Channel*	**Hirofumi Izuhara**
12:00–12:10	**Break**	
12:10–12:40	*Checkpoint Inhibitor Treatment in Cancer Immunotherapy*	**Kang-Ling Liao**
12:40–14:00	**Lunch Break**	
14:00–14:30	*A Stochastically Perturbed Volume Preserving Mean Curvature Motion*	**Tadahisa Funaki**
14:30–14:40	**Break**	
14:40–15:10	*Evolutionary Dynamics in Asexual Populations: Nonlocal PDEs and Free Boundary Approach*	**Lionel Roques**
15:10–15:40	**Tea Time**	
15:40–16:10	*Energy Transport in a Chain of Oscillators with Stochastic Noise*	**Makiko Sasada**
16:10–16:20	**Break**	
16:20–16:50	*Analysis of an Epidemic Model with Nonlocal Diffusion on Networks*	**Elisabeth Logak**
16:50–17:00	**Break**	
17:00–17:30	*Surface-volume Growth Model and Scaling Pattern*	**Yong Jung Kim**

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