PROGRAM

Monday 12/10

08h00-08h30: Registration

09h00-10h30 Seung Yeal Ha (Seoul National University)

A crash introduction to collective dynamics and Cucker-Smale flocking

10h30 – 11h00: Break

11h00-12h00: Chaejoo Lee (Seoul National University)

Asymptotic Dynamics of Perturbed Gradient Systems in Continuous and Discrete Time

12h00-14h00: Lunch

14h00-16h30: Discussion

Tuesday 13/10

09h00-10h00 Can Van Hao (Insititute of Mathematics VAST)

Spin models on random graphs

10h00 – 10h30: Break

10h30-11h30: Nguyen Van Quyet (Insititute of Mathematics VAST)

TBA

11h30-14h00: Lunch

14h00 – 15h00: Jaemoon Lee (Seoul National University)

Tracking Time-Evolving Sets via Closest-Point Attraction and Cucker-Smale Dynamics

15h00 – 15h30: Break

15h30 – 16h30: Eun Jun Lee (Seoul National University)

Emergent behaviors of Winfree oscillators on special orthogonal group

Wednesday 14/10

09h00-10h00 Peter Kloeden (University of Tuebingen)

Mean-square random dynamical systems and mean-square dichotomies

10h00 – 10h30: Break

10h30-11h30: Seung Yeal Ha (Seoul National University)

The Kuramoto model and its emergent dynamics

11h30-14h00: Lunch

14h00 – 14h45: Doan Thai Son (Insititute of Mathematics VAST)

Lyapunov exponent of random dynamical systems

14h45 – 15h00: Break

15h00 – 15h45: Phan Thi Huong (Le Quy Don Technical University)

Asymptotic behavior of solutions for stochastic fractional differential equations involving bounded delay

15h45 – 16h30: Hoang The Tuan (Insititute of Mathematics VAST)

TBA

Thursday 15/10

09h00-10h00 Hyeong-Ohk Bae (Ajou University)

Interaction of Particles and Fluid in Cavity Flow or in Channel Flow

10h00 – 10h30: Break

10h30-11h30: Jaehun Jung (Seoul National University)

On the onset of proliferation in a heterogeneous SIS model

11h30-14h00: Lunch

14h00-16h30: Discussion

Friday 16/10

09h30- 10h30: Colloquium lecture

Seung Yeal Ha (Seoul National University)

Emergent dynamics of the inertial spin model and its generalized models