

Geometric Flows and Related Problems

Date and time :

November 23 (Thrs, Holiday) 10:00 – November 25 (Sat) 17:00, 2017

Place :

H213, Ookayama Campus, Tokyo Institute of Technology

東京工業大学 大岡山キャンパス 本館 213 号室

Program :

November 23 (Thrs)

10:00-11:00 Nicholas Edelen (MIT) : *Convexity estimates for free-boundary mean curvature flow*

11:00-11:30 Break

11:30-12:30 Haozhao Li (University of Science and Technology of China) :
The extension problem of mean curvature flow

12:30-14:00 Break

14:00-14:30 Discussion Time

14:30-15:30 Keita Kunikawa (Tohoku University) : *Convergence of generalized Lagrangian mean curvature flow in Fano manifolds*

15:30-16:00 Break

16:00-17:00 Lami Kim (Tokyo Institute of Technology) : *On the mean curvature flow of grain boundaries*

November 24 (Fri)

10:00-11:00 Felix Schulze (University College London) : *Existence of Brakke flow solutions from surface clusters via elliptic regularisation*

11:00-11:30 Break

11:30-12:30 Knut Smoczyk (University of Hannover) : *Mean curvature flow of maps between Riemannian manifolds, Part 1*

12:30-14:00 Break

14:00-14:30 Discussion Time

14:30-15:30 Nicholas Edelen (MIT) : *The free-boundary Brakke flow*

15:30-16:00 Break

16:00-17:00 Haozhao Li (University of Science and Technology of China) : *Regularity scales and convergence of the Calabi flow*

18:00 – Dinner Party

November 25 (Sat)

10:00-11:00 Felix Schulze (University College London) : *Optimal isoperimetric inequalities for surfaces in any codimension in Cartan-Hadamard manifolds*

11:00-11:30 Break

11:30-12:30 : Knut Smoczyk (University of Hannover) : *Mean curvature flow of maps between Riemannian manifolds, Part 2*

12:30-14:00 Break

14:00-14:30 Discussion Time

14:30-15:30 Hikaru Yamamoto (Tokyo University of Science) : *Ricci-mean curvature flows and its Gauss maps*

15:30-16:00 Break

16:00-17:00 Keisuke Takasao (Kyoto University) : *Phase field method and monotonicity formula for the volume preserving mean curvature flow*