

The Fourth Taiwan-Japan Joint Conference on Differential Geometry
Location: Room 515, Cosmology Building, NTU

Date: Nov. 6 (Monday), 2023

9:30–9:50	Registration	
9:50–10:00	Opening	Yng-Ing Lee
10:00–10:45	<i>On the fundamental groups of compact aspherical manifolds with parabolic structures</i>	Yoshinobu Kamishima
10:45–11:15	Break	
11:15–12:00	<i>On the Convergence Properties of Sasaki-Ricci Flows</i>	Chieh Lin
12:00–13:30	Lunch Break	
13:30–14:15	<i>Solutions of the tt^*-equations constructed from the $(SU_2)_k$-fusion ring, and Smyth potentials</i>	Tadashi Udagawa
14:15–14:30	Break	
14:30–15:15	<i>Special Lagrangian desingularization and infinite-time singularity in Lagrangian mean curvature flow</i>	Wei-Bo Su
15:15–15:45	Break	
15:45–16:30	<i>Smooth maps minimizing the energy and the calibrated geometry</i>	Kota Hattori

Date: Nov. 7 (Tuesday), 2023

10:00–10:45	<i>Sharp result for the spherical metric on flat tori with conical angle 6π at two symmetric points</i>	Ting-Jung Kuo
10:45–11:15	Break	
11:15–12:00	<i>Discrete isothermic surfaces in architectural surface design</i>	Yoshiki Jikumaru
12:00–13:30	Lunch Break	
13:30–14:15	<i>Discrete Weierstrass-type representations, and beyond</i>	Masashi Yasumoto
14:15–14:30	Break	
14:30–15:15	<i>Topological recursion, exact WKB analysis, and the (uncoupled) BPS Riemann-Hilbert problem</i>	Omar Kidwai
15:15–15:45	Break	
15:45–16:30	<i>Symplectic fillings of unit cotangent bundles of spheres</i>	Takahiro Oba
16:30–16:45	Break	
16:45–17:30	<i>Special Hamiltonian S^1-actions on symplectic 4-manifolds</i>	Mei-Lin Yau

Date: Nov. 8 (Wednesday), 2023

10:00–10:45	<i>Construction of vacuum solutions of the Einstein equations using almost abelian Lie groups</i>	Yuichiro Sato
10:45–11:15	Break	
11:15–12:00	<i>Positivity for holomorphic vector bundles</i>	Kuan-Ru Wu
12:00–13:30	Lunch Break	

Date: Nov. 9 (Thursday), 2023

10:00–10:45	<i>Level set flow and the set of singular points</i>	Siao-Hao Guo
10:45–11:15	Break	
11:15–12:00	<i>Limit theorems for the total scalar curvature</i>	Shota Hamanaka
12:00–13:30	Lunch Break	
13:30–14:15	<i>The rigidity of asymptotically flat static spaces</i>	Brian Harvie
14:15–14:30	Break	
14:30–15:15	<i>The real part of a holomorphic function is harmonic</i>	Thomas Raujouan
15:15–15:45	Break	
15:45–16:30	<i>Results related to prescribing Gaussian curvature and geodesic curvature</i>	Pak-Tung Ho