

Monday 17th February

9:00 - 9:15	Welcome		
<i>I. The impact of cloud interactions and internal turbulence</i>			
Chair: Elizabeth Tasker			
9:15 - 9:50	Yasuo Fukui (Nagoya University)	Observational evidence for cloud-cloud collisions	Invited (35 minutes)
9:50 - 10:15	Kazufumi Torii (Nagoya University)	High mass star formation in M20 triggered by cloud-cloud collisions	Contributed (25 minutes)
10:15 - 10:40	Shigeki Shimizu (Nagoya University)	A molecular line survey of Spitzer bubbles: possible evidence for frequent cloud-cloud collisions	Contributed
10:40 - 11:05	Coffee		
Chair: Clare Dobbs			
11:05 - 11:30	Masato Tsuboi (ISAS/JAXA)	Cloud-cloud collisions in the galactic central region	Contributed
11:30 - 11:55	Norikazu Mizuno (NAOJ)	Young massive cluster formation triggered by cloud-cloud collisions	Contributed
11:55 - 12:20	Michiko Fujii (NAOJ)	The mass function of star clusters formed in turbulent molecular clouds	Contributed
12:20 - 1:50	Lunch		
Chair: Rowan Smith			
1:50 - 2:25	Asao Habe (Hokkaido University)	Theoretical studies of cloud-cloud collisions	Invited
2:25 - 2:50	Benjamin Wu (University of Florida)	GMC collisions as triggers for star formation	Contributed
2:50 - 3:15	Sven Van Loo (Harvard-Smithsonian Center for Astrophysics)	Kilo-parsec scale simulations of star formation in disc galaxies	Contributed
3:15 - 3:40	Kengo Tachihara (Nagoya University)	Driving the interstellar turbulence and the initial conditions of molecular clouds	Contributed
3:40 - 4:05	Coffee		
4:05 - 5:00	Discussion (Led by Yasuo Fukui)		
5:30 - 6:30	<p>SCI-TECH TALK: (Run by our new Office for International Academic Support in the Faculty of Science, these talks happen several times a year and have invited speakers sharing their work in English to a public audience. The talks are normally excellent and we can thoroughly recommend attending)</p> <p>(1) "The mighty stingray vs the clever shrimp: 16 million year old trace fossils tell their stories"</p> <p>(2) "How did the monsoon influence human societies across Asia in the past? Examples from the geological record."</p>		

Tuesday 18th February

II. The impact of global structure on cloud formation

Chair: Frederic Bournaud

9:00 - 9:35	Eva Schinnerer (MPIA)	Molecular gas, star formation and spiral arms	Invited
9:35 - 10:00	Annie Hughes (MPIA)	Environmental variations in GMC properties and star formation in nearby galaxies	Contributed
10:00 - 10:25	Akihiko Hirota (NRO/NAOJ)	Giant molecular clouds in M83	Contributed
10:25 - 10:40	Posters		
10:40 - 11:05	Coffee		

Chair: Jin Koda

11:05 - 11:30	Taichi Nakashima (Nagoya University)	Molecular cloud properties in the galactic arms	Contributed
11:30 - 11:55	Tomoka Tosaki (Joetsu University of Education)	ALMA view of GMAs in the starburst ring of NGC 1068 traced by ^{13}CO , C180, CS and CH ₃ OH	Contributed
11:55 - 12:20	Sharon Meidt (MPIA)	How gas dynamics influences GMCs and the global pattern of star formation in M51	Contributed
12:20 - 1:50	Lunch		

Chair: Sven Van Loo

1:50 - 2:25	Clare Dobbs (University of Exeter)	The impact of spiral structure: gas dynamics, star formation and stellar ages	Invited
2:25 - 2:50	Rowan Smith (University of Heidelberg)	Studying galactic-scale star formation with Arepo	Contributed
2:50 - 3:15	Yusuke Fujimoto (Hokkaido University)	GMC formation and evolution in a barred galaxy	Contributed
3:15 - 3:40	Fumi Egusa (ISAS/JAXA)	ISM evolution in M51	Contributed
3:40 - 4:05	Coffee		

Chair: Kana Morokuma-Matsui

4:05 - 4:30	Tetsuhiro Minamidani (NRO/NAOJ)	NRO CO Galactic Plane Survey	Contributed
4:30 - 4:55	Kazuo Sorai (Hokkaido University)	CO multi-lines imaging of nearby galaxies, COMING	Contributed
4:55 - 6:00	Discussion (Led by Eva Schinnerer and Clare Dobbs)		

Wednesday 19th February

Chair: Kazuo Sorai

9:00 - 9:35	Jin Koda (Stony Brook University)	The impact of galactic structure on gas physical conditions and star formation	Invited talk
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III. The impact of global structures on star formation

9:35 - 10:00	Hsi-An Pan (GUAS/NRO)	Dynamical influence of gas and star formation properties in the bar of NGC 6946.	Contributed
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10:00 - 10:25	Kazi Rygl (ESA-ESTEC)	Maser astrometry as a tool to study star formation in the spiral arms	Contributed
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10:25 - 10:50	Coffee		
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Chair: Keiichi Wada

10:50 - 11:15	Rieko Momose (University of Tokyo)	Star formation activities among structures in nearby disc galaxies	Contributed
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11:15 - 11:40	Takashi Hasegawa (Gunma Astronomical Observatory)	HST/ACS photometry of M51 disc: pattern speed measurements	Contributed
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11:40 - 12:05	Sungsoo Kim (Kyung Hee University)	Star Formation in the central molecular zone and circumnuclear disc of the Milky Way	Contributed
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2:00 - 5:40	Bus tour		
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6:00 - 8:00	Conference dinner at the Sapporo Beer Garden (meet in lobby of the Aspen Hotel)		
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Thursday 20th February

Chair: Takashi Okamoto

9:00 - 9:35	Keiichi Wada (Kagoshima University)	Interaction between non-steady stellar spirals and the ISM	Invited
9:35 - 10:00	Marie Martig (MPIA)	Star formation in spiral vs elliptical galaxies	Contributed
10:00 - 10:25	Kyle Westfall (Kapteyn Astronomical Institute)	Disc stability and star formation	Contributed
10:25 - 10:50	Yuta Kato (University of Tokyo)	The enhanced star formation activity in the nodes of the cosmic web at $z > 2$	Contributed
10:50 - 11:15	Coffee		

IV. New techniques and instruments

Chair: Tetsuhiro Minamidani

11:15 - 11:40	Harald Braun (Universitaet Goettingen)	Large eddy simulations of isolated disc galaxies with thermal and turbulent feedback	Contributed
11:40 - 12:05	James Green (SKA organisation)	The Road to SKA Phase 1: Planned capabilities for studies of galactic structure and star formation	Contributed
12:05 - 12:30	Takayuki Saitoh (ELSI /Tokyo Institute of Technology)	A density independent SPH	Contributed
12:30 - 2:00	Lunch		

V. The impact of the violent environment: small scale forces to large

Chair: Emanuele Daddi

2:00 - 2:35	Frederic Bournaud (CEA Saclay)	Universality and non-universality of star formation scaling relations : from low to high redshift, and from disks to starbursts.	Invited
2:35 - 3:00	Iraklis Konstantopoulos (AAO)	A deep look at star formation and its dependence on (super-)galactic environment	Contributed
3:00 - 3:25	Pierre-Alain Duc (AIM Paris / Saclay)	Investigating spatially resolved star-formation in nearby mergers	Contributed
3:25 - 3:50	Juan Diego Soler (IAS, Paris)	An imprint of the magnetisation in the structure of the interstellar medium	Contributed
3:50 - 4:15	Coffee		

Chair: Sharon Meidt

4:15 - 4:40	Hua-bai Li (The Chinese University of Hong Kong)	The impact of galactic magnetic fields on star formation	Contributed
4:40 - 5:05	Sho Soga (Nagoya University)	Radiation driven implosion in a bright rimmed cloud SFO82	Contributed
5:05 - 5:30	Joanne Dawson (CSIRO)	Molecular cloud formation via large-scale stellar feedback: observing, demonstrating, quantifying	Contributed
5:30 - 6:30	Discussion (Led by Francoise Combes)		

Friday 21st February

Chair: Takayuki Saitoh

9:00 - 9:35	Francoise Combes (l'Observatoire de Paris)	Star formation in interacting and merging galaxies	Invited
9:35 - 10:00	Florent Renaud (CEA Saclay)	Why (and how) star formation does care about its galactic environment	Contributed
10:00 - 10:25	Toshiki Saito (University of Tokyo / NAOJ)	Investigating AGN / starburst activities through ALMA multi-line observations in the mid-stage IR-bright merger VV114	Contributed
10:25 - 10:50	Daichi Kashino (Nagoya University)	Properties of star-forming galaxies at $z \sim 1.6$ revealed by FMOS-COSMOS survey	Contributed
10:50 - 11:15	Coffee		
11:15 - 11:40	Gerhard Hensler (University of Vienna)	Star formation at extreme conditions: the role of the initial mass function on the survival of tidal-tail dwarf galaxies	Contributed

VI. The impact of the evolving environment

Chair: Marcel Zemp

11:40 - 12:15	Emanuele Daddi (CEA Saclay)	The evolution of the ISM in galaxies through cosmic time	Invited
12:15 - 12:40	Timothy Davis (ESO)	Suppressed star-formation in massive early-type galaxies: the impact of galaxy dynamics	Contributed
12:40 - 2:10	Lunch		
2:10 - 2:35	Takashi Okamoto (Hokkaido University)	Evolution of galaxy populations in cosmological simulations of galaxy formation	Contributed
2:35 - 3:00	Ken-ichi Tadaki (NAOJ)	Formation of pseudo-bulges in main-sequence galaxies at $z > 2$	Contributed
3:00 - 3:25	Coffee		

Chair: Florent Renaud

3:25 - 3:50	Claire Lackner (IPMU)	Bulges and discs: how galaxy components change with local environment	Contributed
3:50 - 4:15	Daisuke Yamasawa (Tohoku University)	Dust evolution and population III-II transition in young galaxies	Contributed
	Finish		