

“The HI/Story of the Nearby Universe”

10-12 September 2018, Groningen & Dwingeloo, The Netherlands

Monday 10 Sep		
Groningen, Academy Building		
08:45	Welcome and Opening	Prof. E. Sterken - Rector, Board of the University of Groningen Prof. S.C.Trager - director Kapteyn Astronomical Institute
I. Gas Accretion and Removal: Theory and Observations		
09:00-09:40	Tom Oosterloo (invited)	The observational perspective of HI in galaxies
09:40-09:55	Roger Ianjamasimanana	Low column density outskirts in nearby galaxies
09:55-10:10	Jing Wang	Searching for footprints of gas accretion
10:10-10:25	Sushma Kurapati	Angular momentum of dwarf galaxies
	coffee	Conference photo on stairs of the Academy Building
11:00-11:40	Filippo Fraternali (invited)	The theoretical perspective of HI in galaxies
11:40-11:55	Antonino Marasco	Environmental HI stripping in the EAGLE simulations
11:55-12:10	John Dickey	HI in the Magellanic Clouds, ISM properties
12:10-12:25	Shuiyao Huang	Evolved winds in cosmological simulations
	lunch	
II. Gas Accretion and Removal: Nature vs Nurture		
13:30-14:10	Jacqueline van Gorkom (invited)	The environmental perspective of HI in galaxies
14:10-14:25	Kyle Oman	Quenching & stripping of cluster satellites
14:25-14:40	Michelle Cluver	Hidden cool and close encounters
14:40-14:55	Sheila Kannappan	The critical gas accretion/depletion transition in groups
	coffee	
15:30-16:10	Raffaella Morganti (invited)	AGN feedback
16:10-16:25	Suma Murthy	Feedback from low-luminosity AGNs: a case study of B2 0258+35
16:25-16:40	Smriti Mahajan	Blue spheroids: progenitors of spirals or ellipticals
16:40-16:55	Kelley Hess	The HI Mass Function in galaxy groups
16:55-17:20	5-min “flash” talks	Pooja Bilimogga, Jamie Bok, Ed Elson, Avanti Gogate, Anastasia Ponomareva
Tuesday 11 Sep		
Groningen, Van Swinderen Huys		
09:00-09:15	Reynier Peletier	Galaxy evolution in the Fornax cluster
09:15-09:30	Virginia Kilborn	Global physical processes governing the HI content of galaxies
09:30-09:45	Omkar Bait	A large HI ring-like structure near a massive quiescent galaxy
III. The Connection to Star Formation		
09:45-10:25	Rob Kennicutt (invited)	Star formation in galaxies and its impact
	coffee	
11:00-11:40	Amelie Saintonge (invited)	Molecular gas in galaxies, now and in the past
11:40-11:55	Danielle Lucero	The HI-H ₂ transition in nearby CO-rich early-type galaxies
11:55-12:10	Basilio Solis	Spatially resolved dust-to-gas ratio in nearby galaxies
12:10-12:25	Evan Skillman	Understanding chemical evolution without gas masses
	lunch	
13:30-14:10	Ralf Klessen (invited)	Theory of star formation
14:10-14:25	Cecilia Bacchini	The volumetric star formation laws
14:25-14:40	Moses Mogotsi	The SUNBIRD multi- λ window on starburst and LIRG feedback
14:40-14:55	Maryam Arabsalmani	HI emission studies of the closest Gamma Ray Burst host galaxy
	coffee	
15:30-16:10	Rob Crain (invited)	Cold gas in calibrated cosmological simulations of galaxy formation
16:10-16:25	Ahmed Elagali	Observations and theoretical study of colliding galaxies
16:25-16:40	Lorenzo Posti	The angular momentum of galaxies and their haloes
16:40-16:55	Sambit Roychowdhury	The gas-to-dust cycle in star forming dwarf galaxies
16:55-17:20	5-min “flash” talks	Tirna Deb, Peter Kamphuis, Vanessa Moss, Peter Teuben, Kijeong Yim

Wednesday 12 Sep Dwingeloo, ASTRON

08:30 **Bus departs to ASTRON** Bus departs from the *Zuiderdiep* road, near Pathé movie theatre.

IV. Surveys and Analysis

09:30-09:35	Carole Jackson	Words of welcome by ASTRON's Director General
09:35-10:15	Anne-Marie Weijmans (invited)	Lessons learned from MaNGA
10:15-10:30	Tom Jarrett	HICAT-WISE study of galaxy evolution
10:30-10:45	Unarine Tshiwawa	The angular momentum content of early-type galaxies
10:45-11:00	Nissim Kanekar	The gas mass of galaxies during the epoch of galaxy assembly

coffee

11:30-12:10	Attila Popping (invited)	Data challenges of modern HI surveys
12:10-12:25	Davide Punzo	SlicerAstro: a versatile tool for linked 2D/3D visualization
12:25-12:40	Lourdes Verdes-Montenegro	The HI needs for the SKA Regional Centres (SRCs)
12:40-12:55	Conference Summary	

lunch

Optional: SKA HISWG lunch meeting
13:15-14:15, Houghoudt room, next to main canteen area

14:00-14:30	optional: visit to the 25m Dwingeloo telescope
14:30	bus departs to the Westerbork radio telescope
15:15-17:15	tour of the WSRT and Apertif
17:15	bus departs to restaurant <i>De Rietschans</i> , Meerweg 221, 9752 XC Haren
18:00-19:00	reception and arrival of guests

19:00-22:00 **conference dinner**

22:00-22:30 bus returns to Groningen city center

5-min "flash" talks**Monday**

Pooja Bilimogga	A comparative study of HI morphologies in Ursa Major and Perseus-Pisces galaxies
Jamie Bok	The role of HI mass and environment on the galaxy main-sequence turnover
Ed Elson	The relation between specific angular momentum and mass for a sample of late-type WHISP galaxies
Avanti Gogate	The HI Mass Function and Ω_{HI} at $z=0.2$ from direct detections
Anastasia Ponomareva	Accretion in action? The mysterious case of NGC 5102

Tuesday

Tirna Deb	Neutral Hydrogen in a striking Jellyfish galaxy
Peter Kamphuis	The HI to optical ratio of disk sizes
Vanessa Moss	Uncovering the hidden iceberg structure of the Galactic halo
Peter Teuben	ADMIT: automatically detecting HI in large data cubes
Kijeong Yim	The volumetric star formation law in nearby edge-on galaxies