

ViaLactea Workshop - 26 -28th October 2015

Location: Charles Thackrah Building 1.01-04

Sunday 25th

18:00 Drinks at Victoria Hotel

Monday 26th

09:00 Internal ViaLactea Consortium Meeting

17:00 Close

19:00 Dinner at Akbar's Eastgate Indian Restaurant

Tuesday 27th

09:00 Arrival

Bubbles

10:00	Melvin	Hoare	Welcome
10:05	Andy	Bulpitt	Active contours
10:20	Duane	Carey	Image processing techniques in astronomy
10:45	Tea/Coffee		
11:15	Pedro	Palmeirim	HII Regions and their role in star formation throughout the Galactic Plane
11:40	Michael	Rugel	THOR - The HI,OH, Recombination Line survey of the Milky Way
12:05			Discussion on bubbles

12:30 Lunch

Filaments

13:30	Stefano	Pezzuto	Digging among the Infrared Milky Way Wisps: the search for dense elongated filamentary structures in the Galactic Plane
13:55	Milena	Benedettini	Filaments in the Lupus molecular cloud
14:20	Ke	Wang	Large-scale filaments identified from the Hi-GAL survey
14:45	Tea/Coffee		
15:15	Gary	Fuller	Large Scale Structures of Infrared Dark Clouds
15:40	Kengo	Tachihara	Colliding massive filamentary clouds as a site of massive star formation
16:05	David	Eden	Early results from the JCMT Plane Survey
16:20			Discussion on Filaments
17:00	Close		

18:30 Drinks reception

19:00 Dinner

Wednesday 28th

Molecular Cloud Structure

09:00	Alessio	Traficante	Catalogue of clumps embedded in IRDC in the Galactic range $l=15$ to 55; tools and results
09:25	Dario	Colombo	Spectral Clustering for Interstellar Molecular Emission Segmentation - SCIMES
09:50	Ana	Duarte Cabral	Finding GMCs on simulations: from models to observations
10:15	Tea/Coffee		
10:45	Ken	Marsh	PPMAP: A tool for multi-temperature column density mapping of diffuse structures associated with star formation
11:10	Anthony	Whitworth	Morphological Classification of molecular clouds
11:35	Audra	Hernandez	The Three-mm Ultimate Mopra Milky Way Survey (ThrUMMS): Data Products and an Updated CO-to-H₂ Conversion Law
11:50			Discussion on Molecular Cloud Structure

12:30 Lunch

Large Scale Structure

13:30	Sergio	Molinari	Large-scale Galactic Plane oscillations in the diffuse ISM
13:55	Zoltan	Makai	The ViaLactea source determination tool
14:20	Steven	Longmore	An uncertainty principle for star formation - Why galactic star formation relations break down below a certain spatial scale
14:45	Tea/Coffee		
15:15	Sarah	Ragan	The relationship between the Milky Way spiral arms and star formation
15:30	Fabio	Vitello	3D visual analytics systems for ViaLactea project ICT
15:55	Giuseppe	Riccio	Data mining based exploration of the Milky Way within the ViaLactea framework
16:20			Discussion on Large Scale Structure/Forward Look
17:00	Close		

Posters

Davide	Elia	The fractal behaviour of the interstellar medium
Milena	Bufano	Classifying Galactic bubbles from their multiwavelength emission
Julien	Montillaud	Building a self-consistent stellar+ISM 3D model of the Milky Way