

2021 UNIONS CFIS/Pan-STARRS/WISHES Collaboration Meeting



mardi 9 mars 2021 - mercredi 10 mars 2021

Virtual (Zoom)

Programme Scientifique

UNIONS 2021 final schedule (08/03/21)

These four UNIONS 2021 Zoom sessions (4 x 3 hours) will be recorded

Invited talks are 25mn + 5mn for Q&A

Contributed talks are 15mn + 5mn for Q&A

Session 1A - Japan/France time zones, day 1, March 9

3 hours: 4PM to 7PM in Japan = 8AM to 11AM in France = 7AM to 10AM UTC

Session chair: Vanessa Hill

0:00 Introduction & Purpose of the meeting / Jean-Charles Cuillandre

UNIONS: Survey status

0:05 An overview of UNIONS / Jean-Charles Cuillandre (10')

0:15 Introduction to WISHES / Masamune Oguri (30')

0:45 Euclid & UNIONS / Yannick Mellier (30')

1:15 Break (15')

The Low Surface Brightness Universe

1:30 DAWIS, a wavelets algorithm for Intracluster light studies / Amaël Ellien (20')

1:50 LSB metric and large features in the CFIS-r / Jean-Charles Cuillandre (20')

2:10 A census of the past merger activity in massive nearby galaxies / Pierre-Alain Duc (30')

2:40 An annotation tool for LSB structures in CFIS images / Elisabeth Sola (20')

3:00 END

Session 1B - Canada/Hawaii time zones, day 1, March 9

3 hours: 2PM to 5PM Ontario = 11AM to 2PM BC = 9AM to Noon Hawaii = 7PM to 10PM UTC

Session chair: Mike Hudson

0:00 Introduction & purpose of the meeting / Alan McConnachie

UNIONS: Data status and availability

0:05 An overview of UNIONS / Alan McConnachie (10')

0:15 Update on g-band effort / Ken Chambers (15')

0:30 The UNIONS dataset / Stephen Gwyn, Eugene Magnier, Hisanori Furusawa (45')

1:15 Discussion (15')

1:30 Break (15')

Galaxy evolution and mergers

1:45 Post starburst galaxies in CFIS / Scott Wilkinson (20')

2:05 Simulation-trained CNNs as merger identification tools in UNIONS / Robert Bickley (20')

2:25 Studying Ram Pressure Stripping with CFIS / Ian Roberts (20')

2:45 Discussion (15')

3:00 END

Session 2A - Japan/France time zones, day 2, March 10

3 hours: 4PM to 7PM in Japan = 8AM to 11AM in France = 7AM to 10AM UTC

***Session chair: Masamune Oguri ***

Lensing I

0:00 ShapePipe results / Axel Guinot (20')
0:20 Multi-CCD modelling of the point spread function / Tobias Liaudat (20')
0:40 Photometric redshifts for UNIONS / Martin Kilbinger (20')
1:00 Finding Galaxy-scale Strong Lenses / Raphael Gavazzi (20')
1:20 Discussion (15')
1:35 Break (15')

MW and nearby galaxies I

1:50 The nearby Universe with UNIONS / Rodrigo Ibata (30')
2:20 The hidden past of M92 / Guillaume Thomas (20')
2:40 New clues on the outer Galactic halo with the CFIS & Pristine survey / Else Starckenburg (20')
3:00 END
Session 2B - Canada/Hawaii time zones, day 2, March 10

3 hours: 2PM to 5PM Ontario = 11AM to 2PM BC = 9AM to Noon Hawaii = 7PM to 10PM UTC

***Session chair: Gene Magnier ***

MW and nearby galaxies II

0:00 White dwarfs in CFIS / Nick Fantin (20')
0:20 Faint satellites in the Local Universe / James Taylor (20')
0:40 Uncovering fossils of the distant Galaxy with CFIS: NGC 5466 and its stellar stream / Jaclyn Jensen (20')
1:00 Satellites in the very Local Volume / Alan McConnachie (20')
1:20 Break (15')

Lensing II

1:35 Weak lensing and UNIONS / Michael Hudson (30')
2:05 Weak gravitational lensing with Lensfit / Ludovic van Waerbeke (20')
2:25 Galaxy Clusters and Groups in CFIS/UNIONS / Isaac Spitzer (20')

Wrap-up

2:45 Discussion: the year ahead for UNIONS

3:00 END