CBP ACROSS THE HR

PROGRAM 14-17 JAN

DAY 1 (Tuesday) - 14th Jan

Session 1: CB disc properties and planet formation

9.15 - 9.45 Registration
9.45 - 9.55 Welcome
9:55 - 10.30 I. Czekala
Observations of circumbinary discs and their alignment across a range of stellar populations
10.30 - 11.05 M. J Maureira
Observations of multiple body systems with ALMA
11.05 - 11.35 Coffee break
11.35 - 12.10 S. Kraus
Phased accretion and a dynamically-truncated eccentric circumbinary disc cavity in a pre-main-sequence binary system
12.10 - 12.30 A. Sierra (contributed)
Hints of planet formation signatures in a large-cavity disk studied in the AGE-PRO ALMA Large Program
12.30 - 14.00 Lunch
14.00 - 14.35 M. Bate
Stellar binary formation and the disc properties of binary systems
14.35 - 15.10 D. Lai
Evolution of stellar binaries surrounded by circumbinary disks
15.10 - 15.45 E. Ragusa
Kinematic signatures of circumbinary disks.
15.45 - 16.15 Coffee break
16.15 - 16.50 J. Smallwood
Polar discs and circumbinary formation in highly misaligned discs.
16.50 - 17.25 A. Pierens
Hydrosimulations of circumbinary discs hosting circumbinary planets.
17.25 - 18.30 Discussion

DAY 2 (Wednesday) - 15th Jan

09.15 – 09.50 A. Penzlin
Planet-disk interaction in circumbinary disks.
09.50 – 10.10 A. Childs (contributed)
The formation of circumbinary terrestrial planets via core accretion.

Session 2: MS systems

10.10 – 10.45 J. Orosz
An overview of circumbinary population with Kepler & TESS.

10.45 – 11.15 Coffee break

11.15 – 11.35 B. Davies (contributed)
Finding Circumbinary Planets: A Transit Detection Framework for TESS Eclipsing Binaries.
11.35 – 11.55 D. Oddo (contributed)
Don't FORCES It - Toward an occurrence rate of transiting TESS CBPs.
11.55 – 12.30 D. Martin
Searching for circumbinary planets using orbital dynamics.

12.30 – 14.00 Lunch

14.00 – 14.35 A. Triaud
Low mass and long period circumbinary exoplanets.
14.35 – 15.10 N. Georgakarakos
Orbital stability of circumbinary system.

15.10 – 15.40 Coffee break
15.40 – 16.45 Discussion

20:00 Social Dinner

DAY 3 (Thursday) - 16th Jan

Session 3 - Binary and triple systems evolution

10.00 - 10.35 G. Coleman
Formation of free-floating planets from CB systems.
10.35 - 11.10 G. Columba
Long-term evolution of circumbinary exoplanets.

11.10 - 11.40 Coffee break

11.40 - 12.15 A. Stephan
Stellar Evolution in Planetary Systems: How White Dwarf Formation Kicks Can Reshape Orbital Architectures.
12.15 - 12.35 S. Torres (contributed)
The Dynamical Evolution of Planets Orbiting Interacting Binaries.

12.35 - 14.15 Lunch

Session 4 - Post MS systems

14.15 - 14.50 D. Schleicher
Origin of eclipsing time variations in post-common-envelope binaries.
14.50 - 15.10 K. Beuermann (presented by S. Dreizler)
Observations of CBP exoplanets beyond the Main Sequence.
15.10 - 15.30 S. Dreizler
A White Dwarf triple system in the Globular Cluster NGC6397.

15.30 - 16.00 Coffee break

16.00 - 16:35 A. Corporaal
Observations of post-AGB discs.

16.35 - 17.45 Discussion

DAY 4 (Friday) - 16th Jan

09.30 – 09.50 S. Ledda (contributed)
Formation of second-generation exoplanets around double white dwarfs.

09.50 – 10.10 A. Nigioni (contributed)
Orbital stability of circumbinary exoplanets orbiting double white dwarfs.

Session 5 - Future perspectives

10.10 – 10.45 T. Baycroft
Circumbinary planets with Gaia.

10.45 - 11.15 Coffee break

11.15 – 11.50 E. Kerins
Circumbinary planets with the Nancy Grace Roman Space Telescope.
11.50 – 12.25 H. Deeg
Circumbinary planets with PLATO.

12.25 - 14.00 Lunch

14.00 – 14.20 C. Danielski
Circumbinary planets with the LISA space mission

14.20 - 15.30 Discussion and final remarks.