

Theoretical and Computational Challenges in Planet Formation Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Cathie Clarke: The Beginning and End of Protoplanetary Discs

Monday, May 20, 2019 9:00 AM (45 minutes)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Til Birnstiel: From Disks to Rings: Planet Formation in the Alma Era

Monday, May 20, 2019 9:45 AM (30 minutes)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

Farzana Meru: The Formation and Evolution of Planets in Young Discs

Monday, May 20, 2019 10:15 AM (30 minutes)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Eugene Chiang: Planet Formation Close-In and Far-Out

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

Xuening Bai: Towards a Panchromatic View of Gas Dynamics in Protoplanetary Disks

Monday, May 20, 2019 11:45 AM (45 minutes)

Session Classification: Session 2

Contribution ID: 6

Type: **not specified**

Cristobal Petrovich: Imprints of the Disk Clearing Phase on Mature Exoplanet Systems

Monday, May 20, 2019 1:30 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 7

Type: **not specified**

Debanjan Sengupta: Small Scale Structure of Gravito-Turbulence

Monday, May 20, 2019 1:50 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 8

Type: **not specified**

Kristina Monsch: The Imprint of X-ray Photoevaporation onto the Orbital Distribution of Giant Planets

Monday, May 20, 2019 2:10 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 9

Type: **not specified**

Michael Rosenthal: Why Super Earths are of a Similar Size —Observational Signatures of a Limiting Pebble Accretion Mass Scale

Monday, May 20, 2019 2:30 PM (20 minutes)

Session Classification: Session 3

Contribution ID: **10**

Type: **not specified**

Sivan Ginzburg: The End of Runaway Accretion

Session Classification: Session 3

Contribution ID: 11

Type: **not specified**

Yuhiko Aoyama: Theoretical Modeling of Hydrogen Line Emission from Accreting Star and Planet

Monday, May 20, 2019 3:10 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

Sivan Ginzburg: The End of Runaway Accretion

Monday, May 20, 2019 4:00 PM (30 minutes)

Session Classification: Session 4

Contribution ID: 13

Type: **not specified**

Hannah Jang-Condell: Challenges in Matching Models to Observations of Gap Opening in Disks

Monday, May 20, 2019 4:30 PM (30 minutes)

Session Classification: Session 4

Contribution ID: 14

Type: **not specified**

Hilke Schlichting: Atmospheric Accretion, Evolution and Loss of Super-Earths and Sub-Neptunes

Tuesday, May 21, 2019 9:00 AM (45 minutes)

Session Classification: Session 1

Contribution ID: 15

Type: **not specified**

Giuseppe Lodato: The Newborn Population Emerging from Ring-Like Structures in Discs

Tuesday, May 21, 2019 9:45 AM (30 minutes)

Session Classification: Session 1

Contribution ID: 16

Type: **not specified**

Jeremy Goodman: Protostellar Disks: Dynamics & Diagnostics

Tuesday, May 21, 2019 10:15 AM (30 minutes)

Session Classification: Session 1

Contribution ID: 17

Type: **not specified**

Jake Simon: Numerical Simulations of Planetesimal Formation

Tuesday, May 21, 2019 10:45 AM (30 minutes)

Session Classification: Session 1

Contribution ID: **18**

Type: **not specified**

Martin Pessah: Streaming Instability for Particle-Size Distributions

Tuesday, May 21, 2019 1:30 PM (30 minutes)

Session Classification: Session 3

Contribution ID: 19

Type: **not specified**

Joanna Drazkowska: Including Dust Growth in Hydrodynamic Models of Protoplanetary Disks

Tuesday, May 21, 2019 2:00 PM (30 minutes)

Session Classification: Session 3

Contribution ID: 20

Type: **not specified**

Wlad Lyra: Streaming Instability in 3D

Tuesday, May 21, 2019 2:30 PM (30 minutes)

Session Classification: Session 3

Contribution ID: 21

Type: **not specified**

Min-Kai Lin: Dust Settling in Turbulent Protoplanetary Disks

Tuesday, May 21, 2019 3:00 PM (30 minutes)

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

Orkan Umurhan (remote)

Tuesday, May 21, 2019 4:00 PM (30 minutes)

Session Classification: Session 4

Contribution ID: 23

Type: **not specified**

Natascha Manger: Vortex Formation and Survival in Disks with Vertical Shear Instability

Tuesday, May 21, 2019 4:30 PM (30 minutes)

Session Classification: Session 4

Contribution ID: 24

Type: **not specified**

Daniel Tamayo: Planetesimal Capture During Planet Formation

Tuesday, May 21, 2019 5:00 PM (30 minutes)

Session Classification: Session 4

Contribution ID: 25

Type: **not specified**

Pablo Benitez Llambay: Planet-Disk Interaction in Dusty Disks

Monday, May 20, 2019 10:45 AM (30 minutes)

Session Classification: Session 1

Contribution ID: 26

Type: **not specified**

Giovanni Picogna: Can X-Ray Photo-Evaporation Explain All the Observed Transition Disks?

Monday, May 20, 2019 2:50 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 27

Type: **not specified**

Chris Ormel: Flow Structure of Pre-Planetary Atmospheres

Wednesday, May 22, 2019 9:00 AM (45 minutes)

Session Classification: Session 1

Contribution ID: 28

Type: **not specified**

Judit Szulagyi: How Circumplanetary Disks Alter Core Accretion?

Wednesday, May 22, 2019 9:45 AM (30 minutes)

Session Classification: Session 1

Contribution ID: 29

Type: **not specified**

Jonathan Squire: Clumping Small Grains with the Disk Settling Instability

Wednesday, May 22, 2019 10:15 AM (30 minutes)

Session Classification: Session 1

Contribution ID: **30**

Type: **not specified**

Rebecca Martin: Circumbinary Disc Dynamics

Wednesday, May 22, 2019 10:45 AM (30 minutes)

Session Classification: Session 1

Contribution ID: 31

Type: **not specified**

Sijme-Jan Paardekooper: Challenges in Disc-Planet Interactions

Wednesday, May 22, 2019 11:45 AM (45 minutes)

Session Classification: Session 2

Contribution ID: 32

Type: **not specified**

Leonardo Krapp: Simulations of Multi-Species Protoplanetary Disks

Wednesday, May 22, 2019 1:30 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 33

Type: **not specified**

Diana Powell: Using Dust Grain Aerodynamics to Weigh Protoplanetary Disks

Wednesday, May 22, 2019 1:50 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 34

Type: **not specified**

Chao-Chin Yang: Effects of Dust Back Reaction on the Dust-Gas Dynamics in Protoplanetary Disks

Wednesday, May 22, 2019 2:10 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 35

Type: **not specified**

John Zanazzi: The Dynamics of Protoplanetary Disks in Binary Star Systems

Wednesday, May 22, 2019 2:30 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 36

Type: **not specified**

Sebastian Stammer: Planetesimal Formation in Dust Traps

Wednesday, May 22, 2019 2:50 PM (20 minutes)

Session Classification: Session 3

Contribution ID: 37

Type: **not specified**

Claudio Valletta: Heavy Elements Enrichment of Giant Protoplanetary Atmospheres

Wednesday, May 22, 2019 3:10 PM (20 minutes)

Session Classification: Session 3

Contribution ID: **38**

Type: **not specified**

Daniel Carrera: Formation of Short-Period Planets by Disk Migration

Wednesday, May 22, 2019 4:00 PM (30 minutes)

Session Classification: Session 4

Contribution ID: 39

Type: **not specified**

Colin McNally: Towards a New Understanding of Planet Migration in Modern Models of Protoplanetary Discs

Wednesday, May 22, 2019 4:30 PM (30 minutes)

Session Classification: Session 4

Contribution ID: 40

Type: **not specified**

Daniel Carrera: Formation of Short-Period Planets by Disk Migration

Session Classification: Session 4