



Official Symposium Schedule

Updated May 8th, 2015

Day 0 - Sunday, May 10, 2015:

6:00pm -- Opening Reception

**Location: The Floyd Room, Sloppy Floyd Building, West Tower - 20th floor
2 Martin Luther King Jr. Drive NW**

Day 1 - Monday, May 11, 2015:

Location: Georgia State University Student Center, Auditorium

Session 0 - Preliminaries:

- 9:00 am Welcoming words**
(Sebastien Lepine - LOC chair)
- 9:10 am Opening remarks**
(Joel Kastner, Anne-Marie Lagrange - SOC co-chairs)
- 9:20 am Keynote review**
Setting the Stage: The Origins of Stars and Stellar Systems in the Local Milky Way.
*(Charles Lada, Harvard-Smithsonian CfA)**

Session 1 - Nearby Young Moving Groups (NYMGs): Their identification, ages, distances, origins, membership, and significance.

- 10:00 am Focus talk**
A Brief History of the Identification of NYMGs and Their Members
(Joel Kastner, Rochester Institute of Technology)
- 10:20 am *Coffee break and poster viewing.***
- 11:00 pm Review talk**
A Pre-GAIA Census of Nearby Young Stellar Groups.
*(Eric Mamajek, University of Rochester) **
- 11:30 pm Focus talk**
NYMGs: Statistical Methods and Challenges for Assigning Membership.
*(Lison Malo, CFHT) **
- 11:50 am Contributed talk**
LACEwing: Lessons from a New Moving Group Identification Code
(Adric Riedel, CUNY - The College of Staten Island)
- 12:00 pm Contributed talk**
Chemical Tagging of FGK Stars: Testing Membership to Young Stellar Kinematics Groups.
(David Montes, Universidad Complutense de Madrid)
- 12:10 pm *Open discussion***
- 12:30 pm *Lunch break and poster viewing.***

- 2:00 pm** **Review talk**
Ages of Young Stars.
(*Marc Pinsonneault, Ohio State University*) *
- 2:30 pm** **Focus talk**
The Isochronal Age Scale of Young, Nearby Clusters and Associations.
(*Cameron Bell, University of Rochester*) *
- 2:50 pm** **Contributed talk**
Inconsistency in the Evolutionary Models of Young Stars and the Implication to Ages of Young Stars.
(*Inseok Song, University of Georgia*)
- 3:00 pm** **Focus talk**
The Where, the Why, and the How of Low-Mass Stars in the Young Moving Groups.
(*Evgenya Shkolnik, Lowell Observatory*) *
- 3:20 pm** **Contributed talk**
The Very Low Mass Members of Young Moving Groups.
(*Jonathan Gagné, Université de Montréal*)
- 3:30 pm** ***Coffee break and poster viewing***
- 4:30 pm** **Contributed talk**
A Pan-STARRS-1 Search for Substellar Young Moving Group Members.
(*Kimberly Aller, University of Hawaii, IfA*)
- 4:40 pm** **Contributed talk**
New Low Mass Members of Scorpius-Centaurus.
(*Simon Murphy, Australian National University*)
- 4:50 pm** **Contributed talk**
Multiplicity in Young Moving Groups. Building Comprehensive Statistics.
(*Paul Elliott, ESO Chile - University of Exeter*)
- 5:00 pm** ***Open discussion***
- 5:30 pm** ***Adjourn for the day.***

Day 2 - Tuesday, May 12, 2015:

Location: Georgia State University Student Center, Ballroom A

9:00 am Daily announcements
(Sebastien Lepine - LOC chair)

Session 2 - NYMGs and their members: new insights into the early evolution of low- to intermediate-mass stars.

9:10 am Review talk
Stellar Evolution Models of Young Stars: Recent Progress and Fundamental Limitations.
*(Gregory Feiden, Uppsala University)**

9:40 am Contributed talk
New Evolutionary Models for Pre-main Sequence Stars and Young Brown Dwarfs.
(Isabelle Baraffe, University of Exeter)

9:50 am Focus talk
Anomalous Spectral Types and Intrinsic Colors of Young Stars.
*(Mark Pecaut, Rockhurst University)**

10:10 am Contributed talk
The Effects of Spots on the Fundamental Parameters and Lithium Abundances of Pre-Main Sequence Stars.
(Garrett Somers, The Ohio State University)

10:20 am *Coffee break and poster viewing.*

11:00 pm Review talk
Early Rotational Evolution.
*(Sean Matt, University of Exeter) **

11:30 am Contributed talk
Angular Momentum Evolution of Young Solar-Type Stars.
(Amard Louis, Université de Montpellier - Observatoire de Genève)

11:40 pm Focus talk
Magnetic Fields of Young Non-Accreting Stars.
*(Gaitee Hussain, ESO)**

12:00 pm Contributed talk
The Evolution of Surface Magnetic Fields in Young Solar-type Stars.
(Colin Folsom, Institut de Planétologie et d'Astrophysique de Grenoble)

12:10 pm *Open discussion*

12:30 pm *Lunch break and poster viewing.*

- 2:00 pm Review talk**
The Binarity of Young Stars.
(Adam Kraus, University of Texas in Austin)*
- 2:30 am Contributed talk**
M Dwarf Multiplicity in the Solar Neighborhood.
(Jennifer Winters, Georgia State University - RECONS)
- 2:40 am Contributed talk**
Constraining the Early Stages of Stellar Evolution with Eclipsing Binaries.
(Ed Gillen, University of Oxford)
- 2:50 am Focus talk**
Cloud-Driven Variability on Young Brown Dwarfs and Giant Exoplanets.
(Beth Biller, Institute for Astronomy - University of Edinburgh)*
- 3:10 pm Contributed talk**
Accretion, Outflows and Magnetic Activity in the TW Hya Association.
(Beate Stelzer, INAF Osservatorio Astronomico di Palermo)
- 3:20 pm Contributed talk**
Flickering Young Stars: Clues to Star and Planet Formation.
(Ann Mary Cody, NASA Ames)
- 3:30 pm *Coffee break and poster viewing.***

Session 3 - Disks orbiting NYMG members: shedding light on protoplanetary disk sculpting and dispersal.

- 4:00 pm Review talk**
Protoplanetary Disks and Their Evolution.
(Lucas Cieza, Universidad Diego Portales) *
- 4:30 pm Contributed talk**
Protoplanetary Disks Evolution: Singles vs. Binaries.
(Sebastian Daemgen, University of Toronto)
- 4:40 pm Contributed talk**
Gas Inside Dust Cavities of Transitional Disks: Evidence for Embedded Planets.
(Nienke van der Marel, Leiden Observatory)
- 4:50 am Focus talk**
The Chemistry of Nearby Disks.
(Karin Öberg, Harvard University) *
- 5:10 pm Contributed talk**
X-ray Absorption Studies of Young Stars.
(Christian Schneider, ESA/ESTEC)

5:20 pm *Open discussion.*

6:00 pm *Adjourn for the day.*

Evening Public Event

Location: Georgia State University Student Center, Auditorium

7:30 pm **Public lecture and debate**

Is there intelligent life in the Universe?

Featuring Ben Zuckerman (UCLA), with panelists Karing Oberg (Harvard) and Virginia Trimble (U. Maryland), moderated by Sebastien Lepine (GSU).

Day 3 - Wednesday, May 13, 2015:

Location: Georgia State University Student Center, Auditorium

8:30 am Daily announcements
(Sebastien Lepine - LOC chair)

Session 3 (continued) - Disks orbiting NYMG members: shedding light on protoplanetary disk sculpting and dispersal.

8:40 am Focus talk
Photoevaporation and Disk Evolution.
*(Uma Gorti, SETI Institute - NASA Ames) **

9:00 am Contributed talk
The Debris Disk Fraction for M-dwarfs in Nearby, Young, Moving Groups.
(Alex Binks, Keele University)

9:10 am Focus talk
Disk-Planet Interactions and the Formation of Gaps, Rings and Spirals in Gas Disks.
*(Arnaud Pierens, Laboratoire d'astrophysique de Bordeaux) **

9:30 am Contributed talk
Two-temperature Debris Disks - Signposts for Directly Imaged Planets?
(Grant Kennedy, University of Cambridge)

9:40 am Contributed talk
The First Results from the Disk Eclipse Search with KELT (DESK) Survey.
(Joseph E. Rodriguez, Vanderbilt University)

9:50 am Contributed talk
Modeling of a Giant Exoring System Around the Substellar Companion J1407b.
(Matthew Kenworthy, Leiden Observatory)

10:00 am *Coffee break and poster viewing.*

10:30 am Review talk
Grain Growth and Evolution from Primordial to Debris Disks.
*(Tilman Birnstiel, Harvard-Smithsonian Center for Astrophysics) **

11:00 am Contributed talk
HR 8799: Host to the Largest Sub-mm Debris Disk
(Mark Booth, Pontificia Universidad Católica de Chile)

11:10 am Contributed talk
Warm Debris Disks from WISE.
(Deborah Padgett, NASA-GSFC)

- 11:20 am Contributed talk**
Comprehensive Census and Complete Characterization of Nearby Debris Disk Stars.
(Tara Cotten, University of Georgia)
- 11:30 am Review talk**
Debris Disks in Nearby Young Moving Groups in the ALMA Era.
*(Agnes Kospal, Konkoly Observatory) **
- 12:00 pm Concluding remarks and directions for afternoon excursions.**
- 12:10 pm Meeting adjourns for the day.**

Day 4 - Thursday, May 14, 2015:

Location: Georgia State University Student Center, Auditorium

9:00 am Daily announcements
(Sebastien Lepine - LOC chair)

Session 4 - Planets and planetesimals orbiting NYMG members: understanding giant and terrestrial planet formation.

9:10 am Review talk
Giant Planet Formation.
(C. Mordasini, Max Planck Institut für Astronomie)

9:40 am Review talk
Direct Imaging Searches for Planets: Status.
*(G. Chauvin, Institut de Planétologie et d'Astrophysique de Grenoble)**

10:10 am Focus talk
Mapping the Distributions of Exoplanet Populations from Direct Imaging Surveys
(E. Nielsen, SETI Institute)

10:30 am *Coffee break and poster viewing.*

11:00 am Review talk
Directly Imaged Giant Planets: What do we Hope to Learn.
*(Mark Marley, NASA Ames) **

11:30 am Contributed talk
Near-infrared spectroscopy of Brown Dwarf and Planetary-mass Members in Upper Scorpius.
(Nicolas Lodieu, IAC Tenerife)

11:40 am Focus talk
What can Young Brown Dwarfs Tell Us About Exoplanets.
*(Katelyn Allers, Bucknell University) **

12:00 pm Contributed talk
Fundamental Properties of an Age Calibrated Sample of Brown Dwarfs.
(Jaqueline Faherty, Carnegie DTM - AMNH)

12:10 pm *Open discussion*

12:30 pm *Lunch break and poster viewing.*

- 2:00 pm Focus talk**
Theoretical Models of Planet Structure and Evolution.
(*Gilles Chabrier, CRAL - ENS-Lyon*) *
- 2:20 pm Contributed talk**
Testing Models of Substellar Evolution with Dynamical Masses.
(*Trent Dupuy, University of Texas at Austin*)
- 2:30 pm Contributed talk**
Planets and Binaries Around Young Low-Mass Stars.
(*Brendan Bowler, California Institute of Technology*)
- 2:40 pm Contributed talk**
A young planetary mass companion to the nearby M dwarf VHS.
(*Bartek Gauza, Instituto de Astrofisica de Canarias*)
- 2:50 pm Contributed talk**
The evaporation of Young Planet Atmospheres: Multi-dimensional Hydrodynamics of Escape and Star-Planet Interactions.
(*Adam Frank, University of Rochester*)
- 3:00 pm Review talk**
The Formation of Planetesimals and their Evolution Towards Terrestrial Planets.
(*Andrew Youdin, Steward Observatory, U. of Arizona*) *
- 3:30 am *Coffee break and poster viewing.***
- 4:30 pm Focus talk**
Stochastic Processes in Planetesimal Belt.
(*Carl Melis, UC San Diego*) *
- 4:50 pm Contributed talk**
Insights on the Dynamical History of the Fomalhaut System - Investigating the Form c hypothesis.
(*Virginie Faramaz, Institute of Astrophysics - Universidad Catolica de Chile*)
- 5:00 pm *Open discussion***
- 5:30 pm *Adjourn for the day.***
- 6:00 pm -- Evening banquet**
Location: The Freight Depot, 65 Martin Luther King Jr. Drive NW
- 8:00 pm Banquet keynote review.**
Fourth Day of Creation: Pre-History of Young Stars, Exoplanets.
(*Virginia Trimble, U. California Irvine and LCGOT*)

Day 5 - Friday, May 15, 2015:

Location: Georgia State University Student Center, Auditorium

9:00 am **Daily announcements**
(Sebastien Lepine - LOC chair)

Session 5 - Exploring the impact of new and future facilities on the study of NYMGs and their members.

9:10 am **Focus talk**
GAIA and the Future of Astrometry.
*(Alessandro Sozetti, Observatorio Astrofisico di Torino) **

9:30 am **Focus talk**
The Future is Now: Watching Young Stars Age with Next-Generation Synoptic Surveys.
*(Kevin Covey, Western Washington University) **

9:50 am **Focus talk**
ALMA and the future of sub-mm/radio imaging.
(David Wilner, SAO - CfA)

10:10 am **Focus talk**
The (Exciting!) Future of Direct Imaging: Toward that First Blue Dot Picture.
*(Christian Marois, National Research Council of Canada) **

10:30 am ***Coffee break and poster viewing.***

11:00 am **Contributed talk**
The Planet Formation Imager.
(Michael Ireland, Australian National University)

11:10 am **Focus talk**
Present and Future: Young Stars in Ground-Based Spectroscopic Surveys.
*(Sarah Martell, University of New South Wales) **

11:30 am **Contributed talk**
FunnelWeb: Getting a Spectrum of Every Southern Star Down to $I=12$.
(Chris Tinney, University of New South Wales)

11:40 am **Focus talk**
Discovery of Young Nearby Disk Stars with eRosita.
(J. Robrade, Hamburger Sternwarte)

12:00 pm **Summary talk**
A highly skewed and biased conference summary.
(Michael Liu, Institute for Astronomy - Hawaii)

12:30 pm **Meeting adjourns.**