



# Official Symposium Schedule

Updated April 16, 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.  
*(Gaïtee 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, EAS/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**

The Search for Extraterrestrial Intelligence - and Why it will Fail.

*(Ben Zuckerman)*

## 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**     **Closing remarks and summary.**

**12:30 pm**     **Meeting adjourns.**