

American Astronomical Society - Division on Dynamical Astronomy
Talk Schedule

****Draft 04-25-07****

Monday, May 07, 2007

- 8:20AM-9:10AM *Magnetohydrodynamics of Star Formation*
-- Shu, Frank
- 9:10AM-9:30AM *Dynamical Evolution of Star Clusters with Primordial Binaries and Intermediate Mass Black Holes*
-- Trenti, Michele
- 9:30AM-9:50AM *Gravitational Wave Kicks of Intermediate-Mass Black Holes*
-- Gultekin, Kayhan
- 9:50AM-10:10AM *Supermassive Black Hole Growth and Merger Rates from Cosmological N-body Simulations*
-- Holley-Bockelmann, Kelly
- 10:10AM-10:30AM *Dynamical Production of Binary Stellar Black Holes in the Galactic Center*
-- Pfahl, Eric
- 10:30AM-10:50AM Morning Break**
- 10:50AM-11:10AM *Three-Body Capture of Irregular Satellites*
-- McGleam, Catherine
- 11:10AM-11:30AM *Tidal Heating in Enceladus*
-- Meyer, Jennifer
- 11:30AM-11:50AM *Excitation of Lunar Eccentricity by Planetary Resonances*
-- Cuk, Matija
- 11:50AM-12:10PM *An Intuitive Explanation of Resonance Dynamics*
-- Hamilton, Douglas
- 12:10PM-12:30PM *On the Origin of Pluto's Minor Moons, Nix and Hydra*
-- Lithwick, Yoram
- 12:30PM-2:00PM Lunch**
- 2:00PM-2:50PM *Evolution of Disk-Embedded Objects*
-- Lubow, Stephen

American Astronomical Society - Division on Dynamical Astronomy
Talk Schedule

****Draft 04-25-07****

- 2:50PM-3:10PM *Eccentricity Evolution of Giant Planet Orbits due to Circumstellar Disk Torques*
-- Moorhead, Althea
- 3:10PM-3:30PM *Planetary Migration and Eccentricity and Inclination Resonances in Extrasolar Planetary Systems*
-- Lee, Man Hoi
- 3:30PM-3:50PM *The Evolution of the Outer Solar System During the Cluster Era*
-- Hahn, Joseph
- 3:50PM-4:10PM Afternoon Break**
- 4:10PM-5:00PM *Secular and Resonant Aspects of Planet-Disc Interactions*
-- Ogilvie, Gordon
- 5:00PM-5:20PM *Debris Disk Structures Induced by Terrestrial-Mass Planets*
-- Stark, Christopher
- 5:20PM-5:40PM *Constraints on Planetary Embryos in Thin Debris Disks*
-- Quillen, Alice

American Astronomical Society - Division on Dynamical Astronomy
Talk Schedule

****Draft 04-25-07****

Tuesday, May 08, 2007

- 8:30AM-8:50AM *Orbits and Instabilities in a Triaxial Cusp Potential*
-- Adams, Fred
- 8:50AM-9:10AM *The Equilibrium Structure of Dark Matter Halos*
-- Busha, Michael
- 9:10AM-9:30AM *Relaxation in Collisionless Mergers*
-- Valluri, Monica
- 9:30AM-9:50AM *Why haven't Loose Globular Clusters collapsed yet*
-- De Marchi, Guido
- 9:50AM-10:10AM *The Michigan Binary Star Program*
-- Lindner, Rudi
- 10:10AM-10:30AM Morning Break**
- 10:30AM-11:20AM *Crucial Dynamical Phases in Solar System Formation*
-- Morbidelli, Alessandro
- 11:20AM-11:40AM *Self-consistent Formation and Dynamical Evolution of Protostellar Disks*
-- Basu, Shantanu
- 11:40AM-12:00PM *Formation of Planetesimals via Gravitational Instability and the Effect of Gas-Density Enhancements*
-- Haghighipour, Nader
- 12:00PM-12:20PM *Planet Formation with Type I and Type II Migration*
-- Chambers, John
- 12:20PM-12:40PM *Simulations of Planet Migration Driven by Planetesimal Scattering*
-- Duncan, Martin
- 12:20PM-2:00PM Lunch**
- 2:10PM-2:30PM *Large Longitude Libration of Mercury Reveals a Molten Core*
-- Margot, Jean-Luc
- 2:30PM-2:50PM *Resonant Forced Libration of Mercury*
-- Peale, Stanton

American Astronomical Society - Division on Dynamical Astronomy
Talk Schedule

****Draft 04-25-07****

- 2:50PM-3:10PM *New Constraints on the Galactic Bar*
-- Minchev, Ivan
- 3:10PM-3:30PM *Shadowing Reliability of Million-Particle Galaxy Simulations*
-- Hayes, Wayne
- 3:30PM-3:50PM *The Boltzmann Moment Equation Approach for the Dynamics of Galactic Stellar Disks*
-- Vorobyov, Eduard
- 3:50PM-4:10PM Afternoon Break**
- 4:10PM-4:30PM *Analytical Anisotropic Spherical Galaxy Models For $\rho(r)$; Density Profiles*
-- Hunter, Christopher
- 4:30PM-4:50PM *Revisiting the Sun's Galactic Orbit*
-- Innanen, Kimmo
- 4:50PM-5:10PM *The Intergalactic Light in HCG 40: Tracing the Dynamics of a Young Galaxy Group*
-- Sharma, Mangala
- 5:10PM-5:30PM *Can Stars Form Only at Sites Where the Potential is a Maximum?*
-- Bartlett, David

American Astronomical Society - Division on Dynamical Astronomy
Talk Schedule

****Draft 04-25-07****

Wednesday, May 09, 2007

- 8:30AM-8:50AM *The Dynamics of 1999 KW4 and Similar Binary Near-Earth Asteroids*
--Fahnestock, Eugene
- 8:50AM-9:10AM *Prospects for Improving the Masses of (1) Ceres and (4) Vesta Prior to Dawn's Arrival at These Asteroids*
-- Hilton, James
- 9:10AM-9:30AM *Astrometric Masses of 21 Asteroids, and an Integrated Asteroid Ephemeris*
-- Baer, James
- 9:30AM-9:50AM *The Rotation Rates of Sub-Kilometer-Sized Near Earth Asteroids*
-- Statler, Thomas
- 9:50AM-10:10AM *The Orbit-Orbit Distance Function: On the Maximum Number of Stationary Points, and a Fast Filter for Finding Asteroid-Asteroid Encounters*
-- Murison, Marc
- 10:10AM-10:30AM Morning Break**
- 10:30AM-10:50AM *Estimates of the Age of the 2003 EL61 Kuiper Belt Family*
-- Ragozzine, Darin
- 10:50AM-11:10AM *On a Scattered-Disk Origin for the 2003 EL 61 Collisional Family*
-- Levison, Harold
- 11:10AM-11:30AM *Planetesimal Migration in the Outer Solar System and the Composition of the Scattered Disk*
-- Grazier, Kevin
- 11:30AM-11:50AM *An Analytical Method To Compute Comet Cloud Formation Efficiency And Its Application*
-- Brassier, Ramon
- 11:50AM-12:10PM *Applied Astronomy: An Optical Search For Space Debris At GEO*
-- Seitzer, Patrick
- 12:10PM-1:40PM Lunch**
- 1:40PM-2:30PM *Replace with Actual Title for Brouwer Award Lecture*
-- Laskar, Jacques

American Astronomical Society - Division on Dynamical Astronomy
Talk Schedule

****Draft 04-25-07****

- 2:30PM-2:50PM *Impact Of Size Distributions And Self-gravity On Structures Around Moonlets In Rings*
-- Lewis, Mark
- 2:50PM-3:10PM *Vertical Splashing and Strong Damping of Spiral Density Waves in Planetary Rings*
-- Stewart, Glen
- 3:10PM-3:30PM *Numerical Simulations of the G Ring Arc*
-- Tiscareno, Matthew
- 3:30PM-3:50PM *Structures in Saturn's G ring*
-- Hedman, Matthew
- 3:50PM-4:10PM Afternoon Break**
- 4:10PM-4:30PM *Cassini-VIMS Observations of Stellar Occultations by Saturn's Rings*
-- Nicholson, Philip
- 4:30PM-4:50PM - *Cassini Imaging of the Opposition Effect in Saturn's Rings*
--Dones, Henry
- 4:50PM-5:10PM *A New Look at Jupiter's Ring System: Preliminary Results from New Horizons*
--Showalter, Mark
- 5:10PM-5:30PM *Dynamics of the Uranian Dust Sheets*
-- Lockwood, Alexandra

American Astronomical Society - Division on Dynamical Astronomy
Talk Schedule

****Draft 04-25-07****

Thursday, May 10, 2007

- 8:00AM-8:20AM *Observed Outgassing Acceleration of GPS Block IIR Spacecraft*
-- Slabinski, Victor
- 8:20AM-8:40AM *Periodic Orbits in the Full Two Body Problem*
-- Bellerose, Julie
- 8:40AM-9:00AM *Minimum Energy Configurations of Resting Equilibria*
-- Scheeres, Daniel
- 9:00AM-9:20AM *The Eccentric Frame Method and the Hernquist-Newton Potential*
-- Maruskin, Jared
- 9:20AM-10:10AM *N-body Scattering*
-- Montgomery, Richard
- 10:10AM-10:30AM Morning Break**
- 10:30AM-10:50AM *Dynamical Outcomes of Planet-Planet Scattering*
-- Chatterjee, Sourav
- 10:50AM-11:10AM *Tidal Evolution of Extrasolar Planets*
-- Jackson, Brian
- 11:10AM-11:30AM *Apsidal Orientations in Planetary Systems: Behavior and Implications for Early Planet-Planet Scattering*
-- Greenberg, Richard
- 11:30AM-11:50AM *Binary Systems And Planets: How Tight Can It Get?*
-- Saleh, Lamya
- 11:50AM-12:10PM *Stability Limits in Resonant Planetary Systems*
-- Barnes, Rory
- 12:10PM-12:03PM *Breaking Mean-motion Resonances*
-- Thommes, Edward
- 12:30PM-12:50PM *Orbital Interactions in Extrasolar Planetary Systems*
-- Zhang, Ke