

# Arecibo Asteroid Dynamics Workshop

**SUNDAY evening: Welcome Reception in Library**

**MONDAY morning: Orbits**

9:00	Steve Chesley	The First Direct Measurement of Yarkovsky Acceleration on an Asteroid
9:20	David Nesvorný	Yarkovsky Effect Measured for Main-Belt Asteroids
9:40	David Vokrouhlický	Next Yarkovsky Candidates
10:00	Jon Giorgini	Asteroid Orbit Determination and Radar Astrometry: Small Forces and Long-Term Prediction
10:20	Coffee Break	
11:00	Jenni Virtanen	Asteroid Impact Risk Assessment at Discovery: The Case of 2004 AS1
11:20	Takashi Ito	Near-Earth Orbital Distribution of Asteroid Fragments Coming from the Resonance Zone

**Lunch 11:40 - 1pm**

**MONDAY afternoon: Spins**

1:00	Alan Harris	Fast and Slow Spins Revisited: YORP alteration
1:20	Petr Pravec	Tumbling Asteroids
1:40	Matija Cuk	YORP for Synchronous Asteroidal Satellites
2:00	Mike Belton	Deduction of the Possible Excited Spin States of 2P/Encke
2:20	Coffee Break	
3:00	Bill Bottke	Searching for the Long Lost Precursors of the Primordial Earth
3:20	Don Campbell	Asteroid Pole Directions from Radar Interferometry
3:40	Lynn Carter	Using Multi-Polarization Radar to Search for Regolith on Asteroids
4:00	Mikko Kaasalainen	Asteroid Spins and Shapes from Multidatoinversion: The Big Picture
4:20	Discussion	

**Dinner at AO Cafeteria 6:00 - 7:00**

**Rum Tasting 7:00 - ??**

## **TUESDAY morning: Observatory Tours 9-11**

**Lunch 11:20 - 1:00**

## **TUESDAY afternoon**

1:00	Željko Ivezić	The Properties of Main-belt Asteroids Measured by the Sloan Digital Sky Survey
1:20	Jean Souchay	Accurate Ephemerides of Eros' Rotation
1:40	Mike Nolan	Radar Observations of Binary Asteroids
2:00	Steve Ostro	Radar Observations of Binary Near-Earth Asteroid 66391 (1999 KW4)
2:20	Coffee Break	
3:00	George Flynn	Does Microporosity or Macroporosity Dominate in Stone Asteroids?: Evidence from Stone Meteorites
3:20	Fumi Yoshida	Photometric Observation of Karin Family Asteroids
3:40	Brian Warner	Amateur Contributions to the Study of Asteroid Lightcurves
4:00	Andy Rivkin	Constraining NEA Albedos Using Near-Infrared Spectroscopy
4:20	Discussion	

## **Dinner at El Observatorio 6:30-10**

## **WEDNESDAY Morning: Shapes**

9:00	Derek Richardson	Equilibrium Shapes of Rubble Piles
9:20	Kevin Walsh	Tidal Reshaping of the Near Earth Asteroid Population
9:40	Juan Carlos Cersosimo	On the Formation and Dissociation of Binary Asteroids and Comets
10:00	Coffee Break and Group Photo	
10:40	Ishan Sharma	Dynamics of Deformable Asteroids
11:00	Donald Korycansky	Topics in Asteroid Dynamics
11:20	Discussion	

## **Buen Viaje and Rum Re-Tasting**

Poster	Alan Harris	Asteroid Lightcurve Parameters Data File
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