FINAL PROGRAM

Monday, June 11

Auditorium conference room

Session 1: Observational Techniques and Meteor Detection Programs

Morning session	
Session chairs: J. Borovicka and W. Edwards	
9h00-9h50	Official Reception
9h50-10h00	Opening event
10h00-10h30	Pavel Spurny (Ondrejov Observatory, Czech Republic) et al. "Fireball
	observations in Central Europe and Western Australia - instruments,
	methods and results" (invited)
10h30-10h45	Josep M. Trigo-Rodríguez (Institute of Space Sciences IEEC-CSIC,
	Spain) et al. "Determination of meteoroid orbits and spatial fluxes by
	using high-resolution all-sky CCD cameras"
10h45-11h00	Prakash Atreya and Apostolos Christou (Armagh Observatory, Ireland)
	"The Armagh Observatory meteor camera cluster: overview and
	status"
11h00-11h30	Coffee break and Posters opened to discussion
11h30-12h00	Douglas O. ReVelle (Los Alamos National Laboratory, USA)
	"Acoustic-Gravity Waves from Bolide Sources" (invited)
12h00-12h15	Douglas O. ReVelle (Los Alamos National Laboratory, USA) et al.
	"Reanalysis of the Large Bolide Microbarograph Data"
12h15-12h30	Wayne Edwards (Univ. of Western Ontario, Canada) "Infrasonic
	observations of meteoroids: Preliminary results from the coordinated
101.00.101.45	optical-radar-infrasound observing campaign at SOMN"
12h30-12h45	José Chilo (Royal Institute of Technology, Sweden) et al. "Meteorite's
	signal characterization and classification using Machine Learning
101 45 121 00	Algorithms"
12h45-13h00	Pavlo Kozak (National Taras Shevchenko Univ., Ukraine) "Falling
	Star: software for complete processing of double-station TV
	observations of meteors"
	Lunch break

Afternoon session

Session chairs: J. Watanabe and I. Williams

15h00-15h30	Diego Janches (NorthWest Research Associates/CoRA Division)
	"Meteor Head-Echo Observations Using High Power and Large
	Aperture Radar: A Review of Recent Results" (invited)
15h30-15h45	Peter G. Brown (Univ. of Western Ontario, Canada) et al. "The
	Southern Ontario Meteor Network (SOMN) - Overview of
	Sensors, Analysis Techniques and Status"
15h45-16h00	Robert J. Weryk (Univ. of Western Ontario, Canada) et al.
	"Comparisons of simultaneously detected radar and electro-
	optical meteors"
16h00-16h15	John D. Mathews (Pennsylvania State Univ., USA) et al. "Radio
	and meteor science outcomes from comparisons of meteor radar
	observations at AMISR Poker Flat, Sondrestrom, and Arecibo"
16h15-16h30	Akshay Malhotra (Pennsylvania State Univ., USA) et al. "A radio
	science perspective on Range-Spread Trail Echoes observed at
	Jicamarca"
16h30-17h00	Coffee break (Posters opened to discussion)

Session 2: Meteor showers' activity and forecasting

Session chairs: R. Weryk and P. Spurný

	Session chans. R. Weryk and F. Spaing	
17h00-17h30	Jeremie Vaubaillon and William Reach (California Institute of	
	Technology, USA) "Infrared observation of meteoroid streams in	
	the vicinity of cometary nuclei" (invited)	
17h30-17h45	David J. Asher (Armagh Observatory, N. Ireland) "Meteor	
	Outburst Profiles and Cometary Ejection Models"	
17h45-18h00	Peter S. Gural (SAIC, USA) and Peter Jenniskens (SETI Institute,	
	USA) "Spatial Flux Density Characterization during the 1999	
	Leonid Storm"	
18h00-18h15	Apostolos A. Christou (Armagh Observatory, N. Ireland) et al.	
	"Annual and outburst meteor activity in the atmospheres and	
	Venus and Mars"	
18h15-18h30	Michael Nolan et al. (Arecibo Observatory, Puerto Rico, USA)	
	"Large grains ejected from 73P/Swassmann-Wachmann 3"	
18h30-18h45	Peter Jenniskens (SETI Institute, USA) "The upcoming encounter	
	with dust of a long-period comet: the 2007 Aurigid outburst"	

18h45-20h00 Posters opened to discussion

Tuesday, June 12

Auditorium conference room

Session 2: Meteor showers' activity and forecasting

Morning session

Session chairs: D. Asher and A. Christou

9h30-10h00	Junichi Watanabe (National Astronomical Observatory of Japan)
	"Activities of parent comets and related meteor showers" (invited)
10h00-10h15	Jurgen Rendtel (International Meteor Organization, Germany) "The
	Orionid meteor shower observed over 60 years"
10h15-10h30	Mikiya Sato and Junichi Watanabe (National Astronomical
	Observatory of Japan) "Origin of the outburst of Orionids 2006"
10h30-10h45	Pavel Koten (Ondrejov Observatory, Czech Republic) et al. "Video
	observations of the 2006 Leonid outburst"
10h45-11h00	Galina Ryabova (Tomsk State Univ., Russia) "Model radiants of the
	Geminid meteor shower"
11h00-11h30	Coffee break and Posters opened to discussion
11h30-12h00	Peter G. Brown (Univ. of Western Ontario, Canada) et al. "The
	Canadian Meteor Orbit Radar (CMOR) Meteor Shower Catalogue"
	(invited)
12h00-12h15	G. Yellaiah (Osmania Univ., India) "Perseid meteor shower
	observations by using Indian MST Radar"
12h15-12h30	Werner Singer (Leibniz Inst. of Atmospheric Physics, Germany) et al.
	"Influence of background dust on radar backscatter from meteor trails"
12h30-13h00	Special Talk: Maria E. Sansaturio and Óscar Arratia (Univ. Of
	Valladolid, Spain) "Apophis: the history behind the scenes" (invited)
	Lunch break

Session 3: Orbits of meteoroids and dust

Afternoon session

Session chairs: J. Toth and J.M. Trigo-Rodríguez

Session chans. 5. Four and 5.W. Theo Rounguez	
15h00-15h30	Peter Jenniskens (SETI Inst., USA) "(Mostly) dormant comets in
	the NEO population that have meteoroid streams" (invited)
15h30-15h45	Giovanni Valsecchi (IASF-INAF, Italy) "The spreading of
	meteoroid streams induced by close planetary encounters"
15h45-16h00	Margaret Campbell-Brown (Univ. of Western Ontario, Canada)
	"Directional velocity distribution and flux variation of the
	sporadic meteoroid sources"
16h00-16h15	Tadeusz J. Jopek (Astronomical Observatory AM Univ., Poland)
	"Remarks on the mean orbits of the meteoroid streams"
16h15-16h30	Jonathan Mc Auliffe (ESA/ESTEC, The Netherlands) et al.
	"Meteoroid Orbit Determination: A need for consensus"
16h30-17h00	Coffee break (Posters opened to discussion)

Session chairs: S. Abe and J. Vaubaillon

17h00-17h30	Paul Wiegert (Univ. of Western Ontario, Canada) "The dynamics
	of low-perihelion meteoroid streams" (invited)
17h30-17h45	Juraj Toth et al. (Comenius Univ. Bratislava, Slovak Republic)
	"Motion of a meteoroid released from an asteroid"
17h45-18h00	Leonard Komos and Juraj Toth (Comenius Univ. Bratislava,
	Slovak Republic) "Orbital evolution of Pribram and
	Neuschwanstein"
18h00-19h00	Poster session: Sessions 1+2+3
19h00-20h00	CosmoCaixa Open Public Lecture: Clark R. Chapman "The
	Hazard of Asteroids and Comets Impacting Earth"

Wednesday, June 13

Auditorium conference room

Session 3: Orbits of meteoroids and dust (cont.)

Morning session

Session chairs: M. Campbell-Brown and D.O. ReVelle

9h30-10h00	Iwan Williams and D.C. Jones (Univ. of London, UK) "Meteorite
	streams: are they real?" (invited)
10h00-10h15	Shinsuke Abe (Kobe University, Japan) et al. "Orbit and spectroscopy
	of Earth-grazing meteoroid"
10h15-10h30	José M. Madiedo (Univ. Huelva, Spain) and Josep M. Trigo-Rodríguez
	(IEEC-CSIC, Spain) "Multi-station video observation of minor
	showers"
10h30-10h45	Csilla Szasz et al.(Swedish Inst. of Space Physics, Sweden) "Meteoroid
	orbit calculations from tristatic EISCAT UHF measurements"
10h45-11h00	Thomas Kehoe (Univ. of Florida, USA) "Dynamical evolution of
	asteroidal dust particles and their orbital element distribution in near-
	Earth space"
11h00-11h30	Coffee break (Posters opened to discussion)

Session 4: Meteoroids interactions with atmospheres

Session chairs: J. Mc Auliffe and G. Valsecchi

11h30-12h00	Olga Popova (Inst. for Dynamic of Geospheres, Russia) "Models of
	meteoroid fragmentation" (invited)
12h00-12h15	Natalia G. Barri (Moscow State Univ., Russia) "Transverse scattering
	of meteoroid fragments in the atmosphere"
12h15-12h30	Tomas Vondrak (Univ. of Leeds, UK) et al. "Differential ablation of
	meteoroids a thermodynamic equilibrium model"
12h30-12h45	Jonathan T. Fentzke and Diego Janches (NorthWest Research
	Associates/CoRA Division) "A semi-empirical model of the
	contribution from sporadic meteoroid sources on the meteor input
	function observed at Arecibo"
12h45-13h00	Diego Janches and Jonathan T. Fentzke (NorthWest Research
	Associates/CoRA Division) "Estimating the meteoric mass flux in the
	Mesosphere and Lower Thermosphere Atmospheric region"
	Lunch break

Afternoon session

Session chairs: D. Janches and O. Popova

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15h00-15h30	Lars Dyrud et al. (Center for Remote Sensing Inc., USA) "Plasma	
	and EM simulations of meteor head echo radar reflections"	
	(invited)	
15h30-15h45	Robert L. Hawkes et al. (Mount Allision Univ., Canada) "What	
	can we learn about atmospheric meteor ablation and light	
	production from laser ablation?	
15h45-16h00	Johan Kero et al. (Swedish Inst. of Space Physics, Sweden)	
	"Meteoroid disintegration characteristics in EISCAT HPLA radar	
	observations"	
16h00-16h15	Johan Kero et al. (Swedish Inst. of Space Physics, Sweden)	
	"Three dimensional radar observation of a submillimeter	
	meteoroid fragmentation"	
16h15-16h30	Masa-yuki Yamamoto et al. (Kochi Univ. Of Technology, Japan)	
	"Invisible persistent trains generated by Geminids"	
16h30-17h00	Coffee break (Posters opened to discussion)	

Session chairs: F. Rietmeijer and J. Kero

17h00-17h30	Matthew J. Genge (Imperial College London, UK) "The nature
	and diversity of micrometeorites" (invited)
17h30-17h50	Peter Jenniskens (SETI Inst., USA) "Goals and objectives of the
	IAU Commission 22's Task Group on Meteor Shower
	Nomenclature" (round table)
17h50-18h00	Douglas O. ReVelle (Los Alamos National Laboratory, USA)
	"Public Announcement: Progress in fireball detections"
18h00-19h00	Poster session: Sessions 4+5+6

Thursday, June 14

Auditorium conference room

Session 5: Astromineralogy: Comet 81P/Wild 2 and cometary meteoroids

Morning session

Session chairs: R. Hawkes and J. Llorca

9h30-10h00	George J. Flynn (SUNY-Plattsburgh, USA) "Elemental Composition of
<i>y</i> 1120 101100	Dust Collected at Comet 81P/Wild 2 by NASA's Stardust Spacecraft"
	(invited)
10h00-10h30	Frans J.M. Rietmeijer (University of New Mexico, USA) "Cometary
	meteoroids after Stardust" (invited)
10h30-11h00	Alessandra Rotundi (Università degli Studi di Napoli "Parthenope",
	Italy) et al., "Combined Micro-IR and Micro-Raman Analyses of
	Comet 81P/Wild 2 Particles Collected by Stardust" (invited)
11h00-11h30	Coffee break and Posters opened to discussion
11h30-12h00	Jiri Borovicka et al. (Ondrejov Observatory, Czech Republic)
	"Properties of cometary dust from meteor observation" (invited)
12h00-12h15	Toshihiro Kasuga (Inst. for Astronomy, Univ. of Hawaii, USA) "Metal
	abundances of meteoroids in meteor showers: solar heating effect on
	the meteoroids"
12h15-12h45	Josep M. Trigo-Rodríguez (Institute of Space Sciences IEEC-CSIC,
	Spain) et al. "Structure and composition of cometary meteoroids: clues
	from comet 81P/Wild 2, carbonaceous chondrites and IDPs" (invited)
	Lunch break and Barcelona tour

Afternoon:

15h00-19h00: Barcelona tour. Visit to the Sagrada Familia cathedral, Park Güell, and the Modernism route.

20h00: Complementary dinner for all meeting attendants in Restaurant *Magnum 7 Portes*, located in Salvador Espriu 73-75 (nearby Hotel Arts).

Friday, June 15

Àgora conference room

Session 6: Meteoroid flux, Impact Hazard, and Solar System dust

Morning session

Session chairs: J. L. Ortiz and V. Dikarev

Session chans. J. L. Offiz and V. Dikarev	
Clark R. Chapman (Southwest Research Institute, USA) "Meteoroids,	
meteors, and the NEO Impact Hazard" (invited)	
Rob Suggs et al. (NASA Marshall Space Flight Center/EV13, USA)	
"NASA's Lunar Meteoroid Impact Monitoring Program"	
Valeri Dikarev et al. (Max Planck Inst. For Solar System Res.,	
Germany) "Understanding the WMAP Results: The Low-l Anomalies	
and Dust in the Vicinity of the Solar System"	
Munetaka Ueno et al. (Univ. of Tokio, Japan) "Observations of	
Zodiacal Light during the cruising phase of PLANET-C/VCO	
Mission"	
G. Drolshagen et al. (ESA/ESTEC, The Netherlands) "Comparison of	
meteoroid flux models for near Earth space"	
Coffee break and Posters opened to discussion	
Closure talk: Joseph A. Nuth (NASA Goddard Space Flight Center,	
USA) "What was the chemical composition of the planetesimals that	
formed the terrestrial planets?" (invited)	
Conference summary and closure ceremony	