MONDAY, 21 January

09:00 Opening address

09:15	**SESSION 1: HALE-BOPP: WHAT MAKES A BIG COMET DIFFERENT?**		
09:15	The nucleus and activity of comet Hale-Bopp	Y. Fernandez	IT
09:40	Modeling the nucleus interior	D. Prialnik	IT
10:05	Dependence of the optical thickness of cometary dust comae on the size of the nucleus	M. Müller, S.F. Green, N. McBride	CT
10:20	COFFEE AND POSTERS		
11:00	The shadow of Hale-Bopp in Lyman-α: an absolute measurement of hydrogen production with SWAN/SOHO	R. Lallement, J.-L. Bertaux, K. Szegö, S. Nemeth	CT
11:15	Velocity structure in the coma of Hale-Bopp as determined from wide field imaging	W. Harris, J.P. Morgenthaler F. Scherb, E.J. Miekiewicz, K. Nordsieck, R. Oliversen, Ch. Anderson	CT
11:30	How fast the nucleus of comet Hale-Bopp was rotating?	L.M. Shulman	CT
11:45	Large scale structure of comet Hale-Bopp (C/1995 O1) and variations with solar latitude	J.C. Brandt, M. Snow, Y. Yi, S. Larson, H. Mikuz, C.C. Petersen, W. Liller	CT
12:00	SWAN observations of C/1995 O1 (Hale-Bopp)	J.T.T. Mäkinen, J.-L. Bertaux, M.R. Combi, E. Quemerais	CT
12:15	Velocity resolved observations of H-alpha emission from comet Hale-Bopp	J.P. Morgenthaler, W.M. Harris, F. Scherb, N.E. Doane, R.J. Oliversen	CT
12:30	LUNCH		
14:10	The lesson of comet Hale-Bopp for coma chemistry: observations and theory	D. Bockelée-Morvan, J. Crovisier	IT
14:35	Hale-Bopp: what makes a big comet different? Coma dynamics: observations and theory	M. Combi	IT
15:00	Observations of rotating jets of CO in comet Hale-Bopp with the Plateau de Bure Interferometer	F. Henry, D. Bockelée-Morvan, J. Crovisier, J. Wink	CT
15:15	Optical longterm monitoring of comet Hale-Bopp at ESO	H. Rauer, J. Helbert, C. Arpigny, H. Boehnhardt, F. Colas, J. Crovisier, O. Hainaut, L. Jorda, M. Kueppers, J. Manfroid, N. Thomas	CT
15:30	COFFEE AND POSTERS		
16:20	**SESSION 2: SPLIT COMETS**		
16:20	Comet splitting: observations and model scenarii	H. Boehnhardt	IT
16:45	The disintegration of comet C/1999 S4: properties of cometary dust derived from narrow-band images of its color and polarization	T. Bonev, K. Jockers, N. Kiselev, E. Petrova, M. Delva	CT
17:00	Split comet C/2001 A2 LINEAR	E. Jehin, H. Boehnhardt, X. Bonfils O. Schuetz, Z. Sekanina, M. Billers, G. Garradd, P. Leisy, F. Marchis, D. Thomas	CT
17:15	Polarimetric and photometric observations of split comet C/2001 A2 (LINEAR)	V. Rosenbush, N. Kiselev, S.F. Velichko	CT
17:30	End Day 1		

TUESDAY, 22 January

09:15	SESSION 2 continues		
09:15	Water production of disappearing comets	J.T.T. Mäkinen, J.-L. Bertaux, M.R. Combi, E. Quemerais	CT
09:30	The breakup of C/1999 S4 (LINEAR), days 0-10	M. Kidger	CT
09:45	Explorations of spectra of comet C/1999 S4 (LINEAR) obtained during splitting of its nucleus	K.I. Churyumov, I.V. Lukyanyk	CT
10:00	IR characterization of pre-breakup dust emission and nuclear properties of comet C/1999 S4 (LINEAR)	S. Peschke, C.M. Lisse, Y. Fernandez, T. Farnham, J. Chen, M. Ressler	CT
10:15	COFFEE AND POSTERS		
11:00	**SESSION 3: PHYSICAL PROPERTIES OF COMETARY NUCLEI**		
11:00	Albedo and emissivity of cometary nuclei	H. Campins	IT
11:25	Rotational properties of cometary nuclei	L. Jorda	IT
11:50	Challenging a paradigm: do we need the assumption of active and inactive surface regions on cometary nuclei?	J.F. Crifo, A.V. Rodionov, K. Szegö, M. Fulle	CT
12:05	Laboratory investigations of impacts onto cometary-simulating targets	J. Leliwa-Kopystynsky, M. Arakawa	CT
12:20	Measuring thermo-physical properties of cometary surfaces: in situ methods	N. Kömle, G. Kargl, K. Seiferlin, T. Spohn	CT
12:35	LUNCH		
14:15	Masses and densities of cometary nuclei	H. Rickman	IT
14:40	Models of sublimation mechanisms of cometary nuclei: after Hale-Bopp	M. Capria	IT
15:05	Implications of the solid state Greenhouse effect on the activity of comets	Y.V. Skorov, B.J.R. Davidsson	CT
15:20	Influence of the solid state Greenhouse effect on the gas production of comets. Application to comet P/Borrelly	H.U. Keller, Y.V. Skorov, B.J. Davidsson	CT
15:35	The size distribution of cometary nuclei	P. Weissman, S.C. Lowry	CT
15:50	COFFEE AND POSTERS		
16:35	**SESSION 4 THE RELATIONSHIP BETWEEN COMA ABUNDANCES AND NUCLEAR COMPOSITION**		
16:35	Chemical composition of comets: observations and models	W. Huebner	IT
17:00	Spin temperature of cometary ammonia determined from NH_2	H. Kawakita, J. Watanabe, T. Fuse, R. Furusho, S. Abe	CT
17.15	Solar wind-comet interaction: a global 3D hybrid code simulation study	U. Motschmann, T. Bagdonat	CT
17:30	End Day 2		

WEDNESDAY, 23 January

09:15	**SESSION 4 continues**		
09:15	Laboratory work on coma physics and chemistry	W. Jackson	IT
09:40	Physico-chemistry of comets: constraints from the laboratory	P. Ehrenfreund	IT
10:05	Chemistry in cometary coma	S. Rodgers, S.B. Charnley	CT
10:20	COFFEE AND POSTERS		
11:00	The rotation and active regions of comets Hale-Bopp (1995 O1) from Monte Carlo monitoring	T. Farnham, D. Schleicher	CT
11:15	Modeling of gas jets in comet Hyakutake (1996 B2)	L. Woodney, D.G. Schleicher	CT
11:30	Observations of water in comets from the ODIN Satellite	A. Lecacheux, J. Crovisier, N. Biver, D. Bockelée-Morvan, U. Frisk, H. Rickman, C.I. Lagerkvist, A. Winnberg A., & ODIN Team	CT
11:45	Photometry and imaging of comets 19P/Borrelly and LINEAR (2000 WM1)	D. Schleicher, L. Woodney, P.V. Birch	CT
12:00	Fast variation of the spectra of comets P/Halley	S. Borysenko, H.K. Nazarchuk, L.M. Shulman	CT
12:15	Chemical composition diversity among 23 comets observed at radio wavelengths	N. Biver, D. Bockelée-Morvan, J. Crovisier, P. Colom, F. Henry, R. Monero, G. Paubert, D. Despois, D.C. Lis,	CT
12:30	The C_2 and C_3 chemistry in a cometary coma	J. Helbert, H. Rauer, D. Boice, W. Huebner	CT
12:45	End Day 3		
13:00	LUNCH & Local Visit		

THURSDAY, 24 January

09:15	**SESSION 5: DUST OBSERVATIONS AND MODELS**		
09:15	Comet dust - their IR emission and relation to ISM grains	D. Wooden	IT
09:40	Turbulent radial mixing as the source of crystalline silicates in comets	D. Bockelée-Morvan, D. Gautier, F. Hersant, J.M. Hure, F. Robert	
09:55	Different regions in dust cometary comae studied by CCD-polarimetry from C/1995 O1 (Hale-Bopp) to C/2000 WM1 (LINEAR)	E. Hadamcik, A.C. Levasseur-Regourd	CT
10:10	Polarimetric study of comet Hale-Bopp	U.C. Joshi	CT
10:25	COFFEE BREAK		
11:00	Properties of the dust of comet Hale-Bopp from spectrophotometric observations at 3.1 AU	L. Kolokolova, L.M. Lara, R. Schulz, J.A. Stüwe, G.P. Tozzi	CT
11:15	Multi-model particle size distributions: effect on coma reflectance	B. Clark	CT
11:30	POSTER SESSION		
12:30	LUNCH		
14:10	**SESSION 6a: What can we learn from Space Missions?**		
14:10	Overview of past and future space missions to comets	J. Kissel	IT
14:35	CONTOUR: a discovery mission to explore SW-3 and the diversity of cometary nuclei	A. Cochran, J. Veverka and the CONTOUR TEAM	IT
15:00	Scientific capabilities of the Rosetta Lander payload	J. Biele, S. Ulamec, B. Feuerbacher, B. Feuerbacher, H. Scheuerle, H. Rosenbauer, R. Mugnoulo, D. Moura, J.P. Bibring	CT
15:15	Odyssey comet nucleus orbiter: a discovery proposal	P. Weissman, E.N. Nilsen, W.D. Smythe, J. Marriott, R. Reinert, W.A. Delamere	CT
15:30	COFFEE BREAK		
16:05	**SESSION 6b: Comet 19P/Borrelly and the DS1 Encounter**		
16:05	Comet 19P/Borrelly observed during the Deep Space 1 Encounter	D. Boice, D.T. Britt, W.R. Sandel, L.A. Soderblom, N. Thomas, R.V. Yelle	IT
16:30	The coma structure of comet Borrelly from in situ measurements from the DS-1 spacecraft	R. Goldstein, J. Burch, W. Huebner, D. McComas, C. Pollock, J. Nordholt, D. Young	CT
16:45	McDonald Observatory observations of comet 19P/Borrelly bracketing the time of the Deep Space 1 encounter	A. Cochran, T. Farnham	CT
17:00	The UV spectrum of comet 19P/Borrelly from 1981-1994 IUE observations	M.C. Festou	CT
17:15	Simultaneous visible and near-IR imaging of comet 19P/Borrelly around the Deep Space 1 encounter time	N. Samarasinha, H. Campins, J.R. McCarthy, B.E.A. Mueller	CT
17:30	End Day 4		

FRIDAY, 25 January

09:15	**SESSION 7: ORIGIN AND EVOLUTION OF COMETS**		
09:15	Origin and dynamical evolution of short-period comets	M. Duncan	IT
09:40	Long-period comets and the Oort Cloud	J. Fernandez	IT
10:05	On the assymetry of the distribution of observable comets induces by a star passage through the Oort Cloud	P.A. Dybczynski	CT
10:20	COFFEE AND POSTERS		
11:00	The size distribution of the cometary nuclei and estimates of the total population	G. Tancredi	IT
11:25	CCD photometry of distant comets: ensemble properties of Jupiter-family comets	S.C. Lowry, A. Fitzsimmons, S. Collander-Brown	CT
11:40	The surface of comet nuclei and related icy minor planet bodies	J. Licandro, H. Campins, M. Di Martino, R. Gil-Hutton, L.M. Lara, G.P. Tozzi, L. testi, J.C. Guerra, F. Ghinassi	CT
11:55	On the evolution and extinction of short period comets	C.M. Lisse	CT
12:10	LUNCH		
14:00	**SESSION 8: Round Table Discussion**		