



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



ACCADEMIA GALILEIANA
DI SCIENZE LETTERE ED ARTI IN PADOVA



Conference

“From Giotto to Rosetta:

30 years of cometary science from Space and Ground”

Preliminary Programme [2 nd draft]

Thursday 27th

Auditorium of the Garden of the Biodiversity, Botanical Garden of the University of Padova

8:45 – 9:15	Registration		
9:15 -10:00	Welcome addresses	R. Rizzuto (Rector of University), C.G. Somenza (President of Academy), S. Debei (Director of CISAS), M. Turatto (Director of the INAF OAPd Observatory), P. Benvenuti (General Secretary of IAU), E. Flamini (ASI)	
10:00 – 10:30	Opening Talk	R. Bonnet	From Giotto to Rosetta
10:30 – 11:00	Talk 2	U. Keller	Cometary Science from Giotto to Rosetta
11:00 – 11:20	Coffee break		
11:20 – 11:50	Talk 3	P. Lamy	Nuclei of comets with the Hubble Space Telescope
11:50 – 12:20	Talk 4	P. Feldman	Twenty-five years of

			cometary science from the Hubble Space Telescope
12:20 – 12:50	Talk 5	F. Moreno	Modeling of comets from ground based observations
12:50 – 13:20	Talk 6	Iv. Bertini	The intimate nature of cometary dust
13:20 - 14:30	Lunch break		
14:30 – 15:00	Talk 7	E. Ferraris	Diagonal star tables: measuring celestial rounds in the ancient Egyptian night sky
15:00 – 15:30	Talk 8	N. Thomas	Acceleration, fragmentation, sublimation, fact, and fiction
15:30 – 16:00	Talk 9	C. Tubiana	Cometary activity – Jets and outbursts
16:00 – 16:30	Coffee break		
16:30 – 16:50	Talk 10	Al. Delamere	Comet Siding Spring at Mars
16:50 – 17:10	Talk 11	Cr. Cosmovici	Detection of Water MASER Emission in Sun-grazing comets
17:10 - 17:30	Talk 12	Im. Toth	Stability of cometary nuclei against breakup due to fast rotation
17:30 – 18:00	Talk 13	N. Thomas	Molecules in comets: from Giotto to Rosetta (with K. Altwegg)

18:00 – 20:00 public event (round table, in Italian), organized by the University as part of the UNIVERSA program, **followed by reception offered by University and open to all participants to the Conference.**

20:00 - 20:30 Transfer to the Scrovegni Chapel

20:40 – 22:00 Guided tour of the Scrovegni Chapel (in successive groups of 25 persons each, guided in Italian by G. Pisani and in English by Laura Orsi)

Friday 28th

Auditorium of the Garden of the Biodiversity, Botanical Garden of the University of Padova

9:00 -9:30	Talk 14	A. Colonna	Translating Stones: Movement, Meaning and Metaphor of the Rosetta Stone and the Obelisk of Philae
9:30 – 10:00	Talk 15	H. Sierks	Comet 67P C-G Through the Eyes of the Rosetta/OSIRIS Cameras
10:00 – 10:30	Talk 16	L. Penasa	Geology of Comet 67P
10:30 – 11:00	Talk 17	S. Fornasier	Seasonal and diurnal color and composition variations of the 67P nucleus
11:00 – 11:30	Coffee break		
11:30 – 12:00	Talk 18	G. Cremonese	Cometary Tails
12:00 – 12:30	Talk 19	S. Hviid	Low velocity collisions of porous planetesimals in the early solar system
12:30 – 13:00	Talk 20	C. Guettler	On the formation of comets
13:00- 13:30	Talk 21	G. Naletto, B. Davidsson	67P primordial nucleus and a possible comet formation scenario
13:30 - 14:30	Lunch break		
14:30 – 15:00	Talk 22	M. Kueppers	Rosetta: Experience of operating a spacecraft next to a comet for 2 years
15:00 – 15:30	Talk 23	F. Capaccioni	VIRTIS: results on 67 P
15:30 – 16:00	Talk 24	S. Debei	Osiris: A great challenge, a great achievement
16:00 – 16:30	Coffee break		
16:30 – 16:45	Talk 25	W. Cugno	The role of TAS in Rosetta
16:45 – 17:00	Talk 26	M. Stanghini	The role of Leonardo in Rosetta
17:00 – 17:30	Talk 27	M. Guzzo	The past dynamics of comets: the case of 67P
17:30 – 18:00	Talk 28	M. Fulle	Comet 67P: Unexpected results
18:00 – 18:15	Talk 29	Im, Toth	Recalling VEGAs results on Giotto
18:15 – 18:30	Short contributions	Cambianica, Ferrari, Lucchetti	

18:30 – 19:30 Guided tour of the Garden of the Biodiversity, Botanical Garden of the University of Padova

19:30 – 22:00 Gala Dinner, Auditorium of the Garden of the Biodiversity, Botanical Garden of the University of Padova

Saturday 29th

Civic Museum and Sala Rossini

10:0 – 10:45	G. Zampieri	Guided tour to the Belzoni rooms in the Civic Museum, projection of a movie about G.B. Belzoni (in Italian, with English captioning)
10:45-11:30	L. Orsi	Stars and Comets in Shakespeare

11:30 – 12:00 transfer by easy walking to the Rossini Room above the Caffè Pedrocchi

12:00 - 13:30 visit to Sala Rossini, address by the Mayor of Padova Dr. Massimo Bitonci, closing Round Table and closing farewell drink