

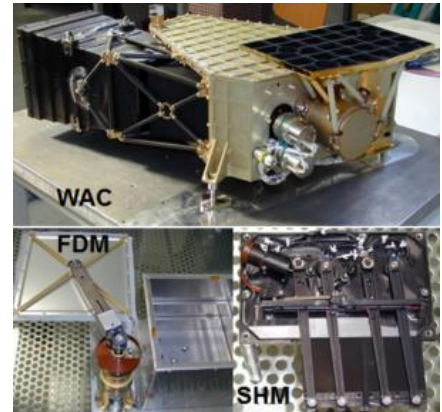
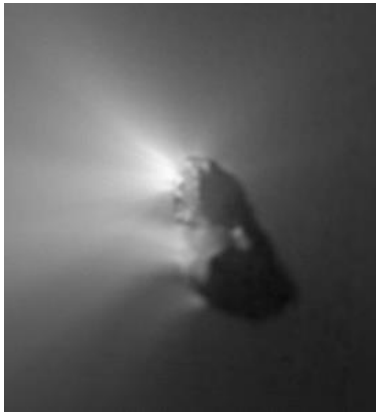


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DEGLI STUDI
DI PADOVA



Conference "From Giotto to Rosetta: 30 years of cometary science from Space and Ground"

PADOVA - October 27th to 29th, 2016 - "Orto Botanico"



For registration and programme:

<http://www.cisasaerospace.org/>

Patronage of: University of Padova, City of Padova, CISAS "G. Colombo", Departments of: Industrial Engineering, Information Engineering, Physics and Astronomy, Geoscience, Padova Astronomic Observatory-INAf, Galilean Academy, OSIRIS Consortium, Italian Space Agency

Patronage and Sponsorship: Thales Alenia Space-Italy, Finmeccanica Leonardo, SAET Industrial Automation Systems, Bedeschi S.p.A., Friends of the University of Padua Association, University of Padova, CISAS "G.Colombo", "Fondazione Cassa di Risparmio di Padova e Rovigo", "Regione del Veneto"



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DEPARTMENT OF
INFORMATION
ENGINEERING
UNIVERSITY OF PADOVA





Conference Schedule

Thursday 27 – Auditorium of the Botanic Garden

9:00 – 9:30	Registration		
Session 1 chair: C. Barbieri			
9:30 -10:00	Welcome addresses	R. Rizzuto (University Rector) L. Zaia (President Regione Veneto) C. Corazzari (Councilor Territory, Culture and Safety Regione Veneto) A. Finotti (President of Cariparo Foundation) E. Flamini (ASI) P. Benvenuti (General Secretary of IAU) C. G. Somenza (President of Galilean Academy) M. Turatto (Director of the INAF OAPd Observatory) S. Debei (Director of CISAS)	
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		
Session 2 chair: E. Flamini			
11:20 – 11:50	Talk 3	P. Lamy	Unveiling cometary nuclei using space telescopes and the LASCO coronagraph
11:50 – 12:20	Talk 4	P. Feldman	Twenty-five years of cometary spectroscopy from the Hubble Space Telescope
12:20 – 12:50	Talk 5	F. Moreno	Modeling of comets from ground based observations
12:50 - 14:30	Lunch break		
Session 3 chair: P. Lamy			
14:30 – 15:00	Talk 6	E. Ferraris	Diagonal star tables: measuring celestial rounds in the ancient Egyptian night sky
15:00 – 15:30	Talk 7	N. Thomas	Sublimation, fragmentation, acceleration, obscuration, fact and confusion
15:30 – 16:00	Talk 8	C. Tubiana	Jets and outbursts in 67P/Churyumov-Gerasimenko as seen from Rosetta/OSIRIS
16:00 – 16:30	Coffee break		
Session 4 chair: H. U. Keller			
16:30 – 16:50	Talk 9	Al. Delamere	Observation of Comets ISON and Siding Springs by the High Resolution Imaging Science Experiment (HiRISE) on Mars Reconnaissance Orbiter (MRO)
16:50 – 17:10	Talk 10	Cr. Cosmovici	Detection of the 22 GHz (1.35 cm) Water Maser Emission in Sun-grazing comets
17:10 - 17:30	Talk 11	Im. Toth	Stability of cometary nuclei against breakup due to fast rotation
17:30 – 18:00	Talk 12	N. Thomas	The composition of 67P/Churyumov-Gerasimenko (with K. Altwegg)



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18:00 – 20:00 Round Table (in Italian) in the frame of the programme UNIVERSA of the University of Padua. **convener: D. Pievani**, participants: C. Barbieri, P. Benvenuti, S. Debei, E. Flamini, E. Ferraris, M. Lazzarin. The round table will be followed by a drink offered by the University and open to all participants to the Conference.

20:00 - transfer from the Botanic Garden to the Scrovegni Chapel

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



Friday 28 – Auditorium of the Botanic Garden

Session 5 chair: G. Naletto			
9:00 -9:30	Talk 13	A. Colonna	Translating Stones: Movement, Meaning and Metaphor of the Rosetta Stone and the Obelisk of Philae
9:30 – 10:00	Talk 14	H. Sierks	Comet 67P C-G Through the Eyes of the Rosetta/OSIRIS Cameras
10:00 – 10:30	Talk 15	L. Penasa	Geological evidences for the layered structure of 67P
10:30 – 11:00	Talk 16	S. Fornasier	Seasonal and diurnal color and composition variations of the 67P nucleus
11:00 – 11:15	Talk 17	P. Musi	The role of Thales Alenia Space in Rosetta
11:15 – 11:30	Coffee break		
Session 6 chair: M. Kueppers			
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		
Session 7 chair: I. Bertini			
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/Rosetta observes Comet 67P/CG: Nucleus and Coma derived composition and physical properties
15:30 – 16:00	Talk 24	S. Debei	Osiris: A great challenge, a great achievement
16:00 – 16:20	Coffee break		
Session 8 chair: M. Lazzarin			
16:20 – 16:40	Talk 25	M. Stanghini	The role of Leonardo in Rosetta
16:40 – 17:00	Talk 26	M. Guzzo	The past dynamics of comets: the case of 67P
17:00 – 17:30	Talk 27	Iv. Bertini	The intimate nature of cometary dust
17:30 – 18:00	Talk 28	M. Fulle	Processed and Pristine Dust in 67P
18:00 – 18:15	Talk 29	Im. Toth	Recalling VEGAs results on Comet Halley
18:15 – 18:30	Short contributions	Cambianica, Lucchetti Sigismondi	

18:30 – 19:30 guided tour of the Botanic Garden

19:30 – 22:30 Gala Dinner



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Saturday 29, Civic Museum + 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 welcome address by the Mayor of Padova On.le Massimo Bitonci,

Round Table: **What's Next?** Convener: C. Barbieri, participants: R. Bonnet, A. Delamere, U. Keller, E. Flamini, G. Naletto (TBD)