



PERSONAL INFORMATION

Andrea Maria DI LELLIS



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Sex M | Date of birth 20/04/1961 | Nationality Italian

APPLICATION FOR

International Cooperation

POSITION

AMD L Srl CeO & Chief System Engineer

PREFERRED JOB

Space instrumentation developing

STUDIES APPLIED FOR

Physics degree, University of Rome "La Sapienza" 18/12/1987, 110/110 cum Laude, thesis title *Particles Imaging by Micro Channel Plates*.

PERSONAL STATEMENT

Working in the Space research field since the 1989, I have contributed with qualified hardware and software to fly more than a dozen of instruments in the frame of the Solar system exploration. Nowadays, I wish to complete in cooperation with Research Institutions or Companies, two Projects I am leading on micro propulsion of small satellites and on their high reliability on-board electronics and data processing S/W. The primary objective of these Projects is to withstand low Earth orbits (LEO) and offer commercial services from space, such as 24/7 high resolution ground observations (at 10 cm resolution) or airports traffic control to replace in a near future the ground expensive traffic control towers.

WORK EXPERIENCE

Institution	Italian Army
Type of contract	Officer
Start of Contract	1988
End of Contract	1989
Reference Field	Army
Activity	Mortar Officer Observer

Institution	Italian Space Agency (ASI)
Type of contract	Fellowship
Start of Contract	1989
End of Contract	1990
Reference Field	Space
Activity	Earth Magnetosphere plasma research program, preparation of the definition of the ESA Cluster Mission
Place of Work	IFSI-CNR (Ex INAF- IAPS)

Institution	Self-Company
Type of contract	Consultant for aerospace research programs
Start of Contract	1990
End of Contract	1995
Reference Field	Space / experimental research
Activity	Support of international programs led by National Council of Research: IFSI, IAS, IFA, Astronomic Observatory of Rome Roma, ENEA, University of Naples and INFN. Specific space programs:

	<ul style="list-style-type: none"> - Preparation of experiment CIS for ESA Cluster 1 Mission - Preparation of experiment PFS for Soviet Union Mars96 Mission - Preparation of experiment ESIC Mission DARA-NASA Equator-S
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Institution	CNR – IFSI
Type of contract	III Level Researcher
Start of Contract	01/01/96
End of Contract	07/05/98
Reference Field	Space
Activity	Specific space programs: Preparation of experiment CIS for ESA Cluster 1 Mission - Upgrade of experiment PFS for MarsExpress ESA Mission - Preparation of experiment ESIC Mission DARA-NASA Equator-S - Preparation of AMIE camera Experiment for SMART-1 ESA Mission

Firm	AMDL Srl
Type of contract	CeO and Chief System Engineer
Start of Contract	1998
Present position	To date
Reference Field	Space

Roles & Responsibilities as AMDL Contractor:

Co-I [ESA Cluster 1 - CIS](#): Cis-2 4 x DPU Design & On-Board S/W⁽²⁾.
 Co-I [ESA Cluster 2 - CIS](#): Cis-2 4 x DPU Design & On-Board S/W⁽²⁾.
 Co-I [Soviet Union Mars-96 - PFS](#): 1 x FFT DPU Design & On-Board S/W⁽²⁾.
 Co-I [ESA MarsExpress - PFS](#): 1 x FFT DPU Design & On-Board S/W⁽²⁾.
 Co-I [DARA-NASA Equator-S mission -ESIC](#): 1x DPU Breadboard, On-Board S/W Design, GSE⁽²⁾.
[NASA DAWN - VIR](#): Vir EGSE, on board compression S/W⁽¹⁾.
[ESA INTEGRAL mission - IBIS experiment](#): EM & QM operation manager⁽²⁾.
[ESA First mission](#): SPIRE & HIFI ground simulators H/W & S/W control⁽¹⁾.
[ESA Smart-1 mission - AMIE Camera](#): Power Supply & 1x S/C I/F board Designer⁽²⁾.
 Co-I [NASA-ASI Mars Sample Return 2003 Ma FluX](#): Program Manager⁽⁶⁾.
 Co-I [NASA-ASI Mars Sample Return 2003- MARE-Dose](#): Instrument designer & Experiment Manager⁽⁶⁾.
 Co-I [ESA-China Republic - Double Star Mission - Ion Composition experiment](#): 1 x On-Board S/W⁽²⁾.
[ESA BepiCombo](#): SAG's Consultant for Energetic Neutral Atom and for HIPS system.
 Co-I [ESA BepiCombo](#): Instrument SERENA, SCU & ELENA designer & ELENA manager⁽¹⁾.
[ESA Solar Orbiter](#): Ion experiment support on board electronic design, and on Neutral Particle analyzer (Phase A/B).
[Limadou Chinese Mission](#): Instrument HEPD DAQ Board design (3).

(1) In flight & Operative, (2) Flown but dismissed, (3) To be flown (4) Under Manuf. (5) Selected, (6) Proposed

EDUCATION AND TRAINING

High school leaving qualification (specializing in classical studies) G. Cesare, Rome.

Physics degree, University of Rome “La Sapienza” 18/12/1987, 110/110 cum Laude, thesis title *Particles Imaging by Micro Channel Plates*.

Officer (AUC training 1988/89), CESANO (RM), CELOSME Army Staff once graduated.

ESA ECSS-Q-ST-70-08, ECSS-Q-ST-70-28, certifications 1998

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction		Listening
English	C1	C1	C1	C1	C2
French	B1	B1	B2	B1	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills I possess good communication skills trained by the long experience (> 25 years) in the aerospace research field and matured through congresses, management of international teams, attendance of many meetings with the main international agencies (ESA, NASA, DARA, CASC etc.)

Organisational / managerial skills Technical responsible for the design and development of space sensors and associated flight qualification tests.

Job-related skills Sensor design, digital and analog electronic design, development of multicore/parallel computing. Environmental simulations (thermo-mechanical / radiation). Development of Ground Support Equipment (GSE) to support the test of flight units. Development of H/W and S/W of payload flown in main planetary missions, supporting the development of Data Processing Units, and detectors. I have patented the high frequency shutters (50kHz) that allowed the AMDL to be the leading company within the aerospace industry in the field of atomic cameras for neutral atoms. This technology will fly on ESA's BepiColombo Mercury within the SERENA / ELENA Facility. I am patenting technologies for micro thrusters to operate on microsattellites in LEO orbits. I have designed and developed in different ESA space programs a wide range of High Reliability Digital Processing Units based on the Leon 3FT processor both by dedicated and customized FPGA-based developments (bus to 8, 16 and 32 bits) and by the latest generation of multicore processors such as GR712RC of Cobham / Aeroflex.

Digital competence

SELF-ASSESSMENT				
Information processing		Information processing		Information processing
Proficient user		Proficient user		Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Deep knowledge of programming software:
 - Assembler (x8086, DSP 2100, A1750, Leon/Sparc),
 - C,
 - Java,
 - IDL,
 - MIDAS
- Deep knowledge of languages for firmware production:
 - VHDL,
 - VERILOG
- Deep knowledge productivity CADs
 - CAD For Electronic design: OrCad, Pspice
 - CAD for environmental simulations: ESATAN, COMSOL Multi-Physics
 - EDA for flight FPGA: RTAX Actel/Microsemi/Cobham
 - EDA commercial FPGA families: Xilinx
- Deep Knowledge of productivity S/W :
 - Editing: Word, Excel, PowerPoint, Project
 - Financial: ESA ECOS

Other skills International Projects Management. Science, staging exhibitions, and events. (E.g., design and manufacturing of exposed instrumentation within the Museum for Mathematics, Castello di San Martino City of Priverno (LT) – Italy, which has been inaugurated on December 10, 2005.)

Driving licence Type B

ADDITIONAL INFORMATION

Patents

Andrea Maria Di Lellis, Stefano Selci, Roberto Leoni: Atomic Spectrometer. Year: 01/2012. Rif. num: 0001394555 CCIIA Milan-Italy.

Publication Statistics (Research Gate)

https://www.researchgate.net/profile/Andrea_Di_Lellis

RG Score 27.69 (> 85% Research gate members)
Publications 76 Articles, 9 Conference Papers, 3 others
Reads 1820
Citations 1668

Book Chapters

A. Mura, S. Orsini, A. Milillo, D. Delcourt, A.M. Di Lellis, E. De Angelis, S. Massetti: *Neutral Atom Emission from Mercury*. 01/2006;

Paper on International Journals

- 1) A.Mura, S. Orsini, A. Di Lellis, F. Lazzarotto, S. Barabash, S. Livi, K. Torkar, A. Milillo, E. De Angelis: *Onboard data processing and compression for a four-sensor suite: the SERENA experiment*. European Planetary Science Congress 2013, held 8-13 September in London, UK. Online at: [id.EPSC2013-355 -09/2013](https://doi.org/10.1017/EPSC2013-355-09/2013)
- 2) Rosanna Rispoli, Elisabetta De Angelis, Luca Colasanti, Nello Vertolli, Stefano Orsini, Juergen A Scheer, Alessandro Mura, Anna Milillo, Peter Wurz, Stefano Selci, Andrea Maria Di Lellis, Roberto Leoni, Marco D'Alessandro, Francesco Mattioli, Sara Cibella: *ELENA microchannel plate detector: absolute detection efficiency for low energy neutral atoms*. *Optical Engineering* 05/2013; 52(5-5). DOI:10.1117/1.OE.52.5.051206
- 3) F Lazzarotto, N Vertolli, D Maschietti, AM Di Lellis, J Rynö, F Camozzi, S Selci, M D'Alessandro, R Leoni, F Mattioli: *The BepiColombo SERENA/ELENA Instrument On-Ground Testing with the ELENA Special Check Out Equipment (SCOE)*.
- 4) Anna Milillo, Valeria Mangano, Alessandro Mura, Stefano Orsini, Elisabetta De Angelis, Andrea M. Di Lellis, Stefano Massetti, Christina Plainaki, Rosanna Rispoli, Stefano Selci, Nello Vertolli: *Exosphere generation of the Moon investigated through a high-energy neutral detector*. *Experimental Astronomy* 10/2011; 32(1). DOI:10.1007/s10686-010-9196-z
- 5) F. Mattioli, S. Cibella, R. Leoni, S. Orsini, A.M. Di Lellis, S. Selci, E. De Angelis, R. Rispoli, A. Mura, A. Milillo: *A nanotechnology application for low energy neutral atom detection with high angular resolution for the BepiColombo mission to Mercury*. *Microelectronic Engineering* 08/2011; 88(8-8). DOI:10.1016/j.mee.2011.02.092
- 6) F. Mattioli, S. Cibella, R. Leoni, S. Orsini, A. M. Di Lellis, S. Selci, E. De Angelis, R. Rispoli, A. Mura, A. Milillo: *A nanotechnology application for low energy neutral atom detection with high angular resolution for the BepiColombo mission to Mercury*. *Microelectronic Engineering* 08/2011; 88(8).
- 7) Plainaki, A. Milillo, S. Orsini, A. Mura, E. de Angelis, A. M. di Lellis, S. Livi: *Space Weathering on Near-Earth Objects*. 07/2010;
- 8) Andrea Maria di Lellis, Stefano Selci, Elisabetta de Angelis, Roberto Leoni, Anna Milillo, Stefano Orsini, Iannis Dandouras: *The BepiColombo SERENA/ELENA unit development: a new technique to detect sputtered neutral atoms escaping from Mercury surface*.
- 9) Elisabetta de Angelis, Rosanna Rispoli, Nello Vertolli, Stefano Selci, Roberto Leoni, Andrea Maria di Lellis, Stefano Orsini, Anna Milillo, Alessandro Mura, Francesco Mattioli: *ELENA instrument science and testing: validation with particle beam*.
- 10) S. Orsini, S. Livi, K. Torkar, S. Barabash, A. Milillo, P. Wurz, A. M. Di Lellis, E. Kallio, G. Ho, J. Kasper, S. Mckenna, O. Vaisberg, F. Allegrini, H. Andersson, C. Aoustin, K. Asamura, L. Avannov, V. Babkin, J. Balaz, M. Balikhin, S. Balint, W. Baumjohann, W. Benz, J. J. Berthelier, H. Biernat, P. C. Brandt, R. Bruno, J. Burch, M. T. Capria, M. G. Castellano, R. Cerulliirelli, M. R. Collier, G. Cremonese, D. Crider, C. C. Curtis, R. D'amicis, I. A. Daglis, I. Dandouras, E. De Angelis, A. De Los Santos, D. Delcourt, M. Delva, M. Desai, S. Di Cosimo, L. Duvet, P. C. Escoubet, M. Fama, A. Fedorov, L. Ferrari, M. Fraenz, G. Fremuth, M. Genzer, A. Gnoli, R. Goldstein, M. Grande, V. Grishin, R. Gurnee, D. K. Haggerty, K. Heerlein, I. Hernyes, M. Holmstro`m, K. C. Hsieh, W. H. Ip, A. Lacques, H. Jeszensky, R. Johnson, K. Kecskemety, R. Killen, G. Koynash, N. Krupp, K. Kudela, S. Lajos, H. Lammer, G. Latini, Francois Leblanc, Frederic Leblanc, A. Leibov, R. Leoni, H. Lichtenegger, C. Lipusz, A. Loose, P. Louarn, R. Lundin, A. Ma`lkki, V. Mangano, S. Massetti, F. Mattioli, D. Mccann, D. J. Mccomas, D. G. Mitchell, T. E. Moore, A. Morbidini, A. Mura, H. Nilsson, M. Oja, R. Orfei, I. Panagopoulos, D. Piazza, F. Pitout, C. Pollock, S. E. Pope, G. Prattes, H. Reme, P. Riihela`, R. Rispoli, E. C. Roelof, J. Ryno`, M. Sarantos, J. A. Sauvaud, J. Scheer,

- W. Schmidt, K. Seki, S. Selci, A. Skalski, J. A. Slavin, J. Svensson, S. Szalai, K. Szego, D. Toubanc, P. Travnicek, N. Vertolli, P. Wahlström, S. Wang, M. Wedlund, M. Wieser, J. Woch, S. Zampieri: *SERENA: A suite of four instruments (ELENA, STROFIO, PICAM and MIPA) on board BepiColombo-MPO for particle detection in the Hermean environment*. Planetary and Space Science 01/2010;
- 11) Plainaki, A. Milillo, A. Mura, S. Orsini, E. de Angelis, A. M. di Lellis, S. Livi: *Space weathering effects of the Europa's surface*.
 - 12) S. Orsini, S. Livi, K. Torkar, S. Barabash, A. Milillo, P. Wurz, A. M. di Lellis, E. Kallio, G. Ho, S. McKenna, O. Vaisberg, H. Andersson, C. Aoustin, K. Asamura, L. Avakov, V. Babkin, J. Balaz, P. Baldetti, M. Balikhin, W. Baumjohann, W. Benz, J. J. Berthelier, H. Biernat, P.C. Brandt, R. Bruno, J. Burch, M.T. Capria, M.G. Castellano, R. Cerulli-irelli, M. R. Collier, G. Cremonese, D. Crider, C. C. Curtis, R. D'amicis, I. A. Daglis, I. Dandouras, E. De Angelis, J. De Keyser, A. De Los Santos, D. Delcourt, M. Delva, P. C. Escoubet, A. Fedorov, L. Ferrari, J. Fischer, M. Fraenz, G. Fremuth, M. Genzer, A. Gnoli, R. Goldstein, J. Goldsten, M. Grande, V. Grishin, R. Gurnee, K. Heerlein, I. Hernyes, M. Holmström, K. C. Hsieh, W. H. Ip, R. Johnson, K. Kecskemety, R. Killen, N. Krupp, H. Laakso, H. Lammer, G. Latini, F. Leblanc, A. Leibov, R. Leoni, H. Lichtenegger, A. Loose, P. Louarn, R. Lundin, A. Mälkki, V. Mangano, S. Massetti, F. Mattioli, D. Mccann, D. J. McComas, J. L. Medale, D. G. Mitchell, T. E. Moore, A. Morbidini, A. Mura, E. Neefs, D. Nevejans, H. Nilsson, R. Orfei, C. Pollock, S. E. Pope, H. Rème, E. Reynolds, P. Riihelä, E.c. Roelof, J. Rynö, M. Sarantos, J. A. Sauvaud, J. Scheer, W. Schmidt, K. Seki, S. Selci, A. Skalski, J. A. Slavin, V. Smirnov, J. Svensson, S. Szalai, K. Szego, D. Toubanc, P. Travnicek, N. Vertolli, S. Wang, M. Wieser, J. Woch, K. Yearby, S. Zampieri, H. Zhao: *SERENA: a Novel Instrument Package on board BepiColombo-MPO to study Neutral and Ionized Particles in the Hermean Environment*. 06/2009; DOI:10.1063/1.3169309
 - 13) A.M. Di Lellis, S. Orsini, N. Vertolli, D. Brienza: *The Digital Processing Unit design approach for SERENA instrument on board BepiColombo*.
 - 14) S. Orsini, A. M. di Lellis, A. Milillo, S. Selci, R. Leoni, I. Dandouras: *Low energy high angular resolution neutral atom detection by means of micro-shuttering techniques: the BepiColombo SERENA/ELENA unit development*.
 - 15) A.Mura, A. Milillo, S. Orsini, C. Plainaki, E. de Angelis, A. di Lellis, S. Massetti, V. Mangano: *Proton precipitation and backscattering on Mercury surface*.
 - 16) C.Plainaki, A. Milillo, S. Orsini, A. Mura, E. de Angelis, A. M. di Lellis, S. Livi: *Neutral particle release from the surface of Europa*.
 - 17) Orsini, Anna Milillo, Alessandro Mura, Elisabetta de Angelis, Stefano Massetti, Andrea M. di Lellis: *Prospects of Solar System Environment Observations by Means of ENA Detection*.
 - 18) L. Trenchi, M. F. Marcucci, G. Pallochia, G. Consolini, M. B. Cattaneo, A. Di Lellis, H. Rème, L. Kistler, C. M. Carr, J. B. Cao: *Magnetic reconnection at the dayside magnetopause with Double Star Tc1 data*. 01/2009;
 - 19) Plainaki, A. Milillo, S. Orsini, A. Mura, E. De Angelis, A.M. Di Lellis, E. Dotto, S. Livi, V. Mangano, S. Massetti, M.E. Palumbo: *Space Weathering on Near-Earth Objects investigated by neutral-particle detection*. Planetary and Space Science 11/2008; 57(3-57). DOI:10.1016/j.pss.2008.12.002
 - 20) S. Orsini, A. M. Di Lellis, A. Milillo, E. De Angelis, A. Mura, S. Selci, I. Dandouras, P. Cerulli-Irelli, R. Leoni, V. Mangano, S. Massetti, F. Mattioli, R Orfei, C. Austin, J. L. Medale, N. Vertolli, D. Di Giulio: *Low energy high angular resolution neutral atom detection by means of micro-shuttering techniques: The BepiColombo SERENA/ELENA sensor*. 11/2008; 1144(1). DOI:10.1063/1.3169310
 - 21) L. Trenchi, M. F. Marcucci, G. Pallochia, G. Consolini, M. B. Bavassano Cattaneo, A. M. Di Lellis, H. Rème, L. Kistler, C. M. Carr, J. B. Cao: *Occurrence of reconnection jets at the dayside magnetopause: double Star observations*. J

- Geophys Res* 113:A07S10. *Journal of Geophysical Research: Space Physics* 07/2008; 113(A7).
DOI:10.1029/2007JA012774
- 22) Anna Milillo, Christina Plainaki, Alessandro Mura, Valeria Mangano, Stefano Orsini, Elisabetta de Angelis, Stefano Massetti, Andrea Maria di Lellis: *Neutral particle detector for Laplace-Europa Orbiter: Simulations and potential merits of ion sputtering detection.*
- 23) L. Trenchi, M. Marcucci, G. Palocchia, G. Consolini, M. Bavassano Cattaneo, A. di Lellis, H. Rème, L. Kistler, C. M. Carr, J. B. Cao: *Double Star observations of reconnection at the dayside magnetopause..*
- 24) R. D'Amicis, D. Telloni, S. Orsini, A. Mura, A. Milillo, A. di Lellis, E. Antonucci, M. Hilchenbach: *Numerical studies on neutral solar wind generated at high and low solar latitudes.*
- 25) P Drossart, G Piccioni, J C Gérard, M A Lopez-Valverde, A Sanchez-Lavega, L Zasova, R Hueso, F W Taylor, B Bézard, A Adriani, F Angrilli, G Arnold, K H Baines, G Bellucci, J Benkhoff, J P Bibring, A Blanco, M I Blecka, R W Carlson, A Coradini, A Di Lellis, T Encrenaz, S Erard, S Fonti, V Formisano, T Fouchet, R Garcia, R Haus, J Helbert, N I Ignatiev, P Irwin, Y Langevin, S Lebonnois, D Luz, L Marinangeli, V Orofino, A V Rodin, M C Roos-Serote, B Saggin, D M Stam, D Titov, G Visconti, M Zambelli, C Tsang, Eleonora Ammannito, Alessandra Barbis, Rainer Berlin, Carlo Bettanini, Angelo Boccaccini, Guillaume Bonnelo, Marc Bouyé, Fabrizio Capaccioni, Alejandro Cardesin, Francesco Carraro, Giovanni Cherubini, Massimo Cosi, Michele Dami, Maurizio De Nino, Davide Del Vento, Marco Di Giampietro, Alessandro Donati, Olivier Dupuis, Sylvie Espinasse, Anna Fabbri, Agnès Fave, Iacopo Fikai Veltroni, Gianrico Filacchione, Katia Garceran, Yamina Ghomchi, Maurizio Giustizi, Brigitte Gondet, Yann Hello, Florence Henry, Stefan Hofer, Gerard Huntzinger, Juergen Kachlicki, René Knoll, Driss Kouach, Alessandro Mazzoni, Riccardo Melchiorri, Giuseppe Mondello, Francesco Monti, Christian Neumann, Fabrizio Nuccilli, Jérôme Parisot, Claudio Pasqui, Stefano Perferi, Gisbert Peter, Alain Piacentino, Carlo Pompei, Jean-Michel Réess, Jean-Pierre Rivet, Antonio Romano, Natalie Russ, Massimo Santoni, Adelmo Scarpelli, Alain Sémary, Alain Soufflot, Douchane Stefanovitch, Enrico Suetta, Fabio Tarchi, Nazzareno Tonetti, Federico Tosi, Bernd Ulmer: *A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express.* *Nature* 12/2007; 450(7170). DOI:10.1038/nature06140
- 26) G Piccioni, P Drossart, A Sanchez-Lavega, R Hueso, F W Taylor, C F Wilson, D Grassi, L Zasova, M Moriconi, A Adriani, S Lebonnois, A Coradini, B Bézard, F Angrilli, G Arnold, K H Baines, G Bellucci, J Benkhoff, J P Bibring, A Blanco, M I Blecka, R W Carlson, A Di Lellis, T Encrenaz, S Erard, S Fonti, V Formisano, T Fouchet, R Garcia, R Haus, J Helbert, N I Ignatiev, P G J Irwin, Y Langevin, M A Lopez-Valverde, D Luz, L Marinangeli, V Orofino, A V Rodin, M C Roos-Serote, B Saggin, D M Stam, D Titov, G Visconti, M Zambelli, Eleonora Ammannito, Alessandra Barbis, Rainer Berlin, Carlo Bettanini, Angelo Boccaccini, Guillaume Bonnelo, Marc Bouye, Fabrizio Capaccioni, Alejandro Cardesin Moineo, Francesco Carraro, Giovanni Cherubini, Massimo Cosi, Michele Dami, Maurizio De Nino, Davide Del Vento, Marco Di Giampietro, Alessandro Donati, Olivier Dupuis, Sylvie Espinasse, Anna Fabbri, Agnes Fave, Iacopo Fikai Veltroni, Gianrico Filacchione, Katia Garceran, Yamina Ghomchi, Maurizio Giustini, Brigitte Gondet, Yann Hello, Florence Henry, Stefan Hofer, Gerard Huntzinger, Juergen Kachlicki, René Knoll, Kouach Driss, Alessandro Mazzoni, Riccardo Melchiorri, Giuseppe Mondello, Francesco Monti, Christian Neumann, Fabrizio Nuccilli, Jerome Parisot, Claudio Pasqui, Stefano Perferi, Gisbert Peter, Alain Piacentino, Carlo Pompei, Jean-Michel Reess, Jean-Pierre Rivet, Antonio Romano, Natalie Russ, Massimo Santoni, Adelmo Scarpelli, Alain Semery, Alain Soufflot, Douchane Stefanovitch, Enrico Suetta, Fabio Tarchi, Nazzareno Tonetti, Federico Tosi, Bernd Ulmer: *South-polar features on Venus similar to those near the North Pole.* *Nature* 12/2007; 450(7170). DOI:10.1038/nature06209

- 27) P. Drossart, G. Piccioni, A. Adriani, F. Angrilli, G. Arnold, K. H. Baines, G. Bellucci, J. Benkhoff, B. Bezard, J.-P. Bibring, A. Blanco, M. I. Blecka, R. W. Carlson, A. Coradini, A. Di Lellis, T. Encrenaz, S. Erard, S. Fonti, V. Formisano, T. Fouchet, R. Garcia, R. Haus, J. Helbert, N. I. Ignatiev, P. G. J. Irwin, Y. Langevin, S. Lebonnois, M. A. Lopez-Valverde, D. Luz, L. Marinangeli, V. Orofino, A. V. Rodin, M. C. Roos-Serote, B. Saggin, A. Sanchez-Lavega, D. M. Stam, F. W. Taylor, D. Titov, G. Visconti, M. Zambelli, R. Hueso, C. C. C. Tsang, C. F. Wilson, T. Z. Afanassenko: *Drossart, P. et al. Scientific goals for the observations of Venus by VIRTIS on ESA/Venus Express mission. Planet. Space Sci. 55, 1653-1672. Planetary and Space Science 10/2007; 55. DOI:10.1016/j.pss.2007.01.003*
- 28) V. Mangano, A. Milillo, A. Mura, S. Orsini, E. De Angelis, A. M. Di Lellis, P. Wurz: *The contribution of impulsive meteoritic impact vaporization to the Hermean exosphere. Planetary and Space Science 09/2007; 55(11). DOI:10.1016/j.pss.2006.10.008*
- 29) de Angelis, A. M. di Lellis, G. Vannaroni, S. Orsini, V. Mangano, A. Milillo, S. Massetti, A. Mura, N. Vertoli: *A facility to study the particles released by ion sputtering process.*
- 30) R. D. D'Amicis, S. Orsini, E. Antonucci, M. Hilchenbach, A. M. Di Lellis, D. Telloni, S. Fineschi, A. Milillo, R. Bruno, A. Mura, E. De Angelis: *Numerical Simulations Of The Neutral Solar Wind Distribution As Expected At The Solar Orbiter Position. 01/2007;*
- 31) R. D'Amicis, R. Bruno, M. B. Cattaneo, B. Bavassano, S. Orsini, J. A. Sauvaud, P. Louarn, A. M. Di Lellis: *Numerical Studies For The Solar Wind Proton And Alpha Particle Sensor. 01/2007;*
- 32) C. Federico, A. M. Di Lellis, S. Fonte, C. Pauselli, G. Reitz, R. Beaujean: *EXOMARS IRAS (DOSE) radiation measurements. 01/2007;*
- 33) S. Orsini, A. Milillo, A. M. di Lellis, A. Mura, S. Massetti, E. de Angelis: *Prospects of the Solar System Environment Observation via ENA Measurements: towards Mercury and the Sun with BepiColombo and Solar Orbiter.*
- 34) Andrea La Monaca, Giorgio Cappuccio, Roberto De Masi, Andrea Maria Di Lellis, Paolo Di Muro, Roberto Favilla, Fabrizio Fiori, Pasqualino Gaudio, Michele Maffia, Paolo Mariani, Alberto Mazzini, Ivan Micetich: *FLUORESCENCE ANALYSIS BY SPECTROSCOPY TRANSMISSION AND ELECTRON STREAK CAMERA (FASTEST-CAM) A proposal for detecting time-synchronized ultra-fast light phenomena.*
- 35) M. Hilchenbach, S. Orsini, K. C. Hsieh, E. Antonucci, S. Barabash, K. Bamert, R. Bruno, M. R. Collier, A. Czechowski, R. D'Amicis, E. De Angelis, I. Dandouras, A. M. Di Lellis, R. Esser, J. Giacalone, M. Gruntman, S. R. Habbal, J. R. Jokipii, E. Kallio, J. Kota, H. Kucharek, R. Leoni, S. Livi, I. Mann, E. Marsch, E. Möbius, A. Mura, R. B. Sheldon, W. Schmidt, S. Selci, K. Szego, J. Woch, P. Wurz, T. H. Zurbuchen: *Solar Orbiter Neutral Solar Wind Detector.*
- 36) A. Mura, S. Orsini, A. Milillo, A. M. Di Lellis, E. De Angelis: *Neutral atom imaging at Mercury. Planetary and Space Science 02/2006; 54(2-54). DOI:10.1016/j.pss.2005.02.009*
- 37) Milillo, P. Wurz, S. Orsini, D. C. Delcourt, E. Kallio, R. M. KILLEN, H. Lammer, S. Massetti, A. Mura, S. Barabash, G. Cremonese, IA Daglis, E. De Angelis, A. M. Di Lellis, S. Livi, V. Mangano, K. Torkar: *Surface-Exosphere-Magnetosphere System Of Mercury. Space Science Reviews 04/2005; 117(3). DOI:10.1007/s11214-005-3593-z*
- 38) V. Formisano, D. Grassi, R. Orfei, D. Biondi, E. Mencarelli, A. Mattana, F. Nespoli, A. Maturilli, M. Giuranna, M. Rossi, M. Maggi, P. Baldetti, G. Chionchio, B. Saggin, F. Angrilli, G. Bianchini, G. Piccioni, A. di Lellis, P. Cerroni, F. Capaccioni, M. T. Capria, A. Coradini, S. Fonti, V. Orofino, A. Blanco, L. Colangeli, E. Palomba, F. Esposito, D. Patsaev, V. Moroz, L. Zasova, N. Ignatiev, I. Khatuntsev, B. Moshkin, A. Ekonomov, A. Grigoriev, V. Nechaev, A. Kiselev, Y. Nikolsky, V. Gnedykh, D. Titov, P. Orleanski, M. Rataj, M. Malgoska, A. Jurewicz, M. I. Blecka, H.

- Hirsh, G. Arnold, E. Lellouch, A. Marten, T. Encrenaz, J. Lopez Moreno, Atreya, S., Gobbi, P: *PFS: the Planetary Fourier Spectrometer for Mars Express*. 07/2004; 1240(1240).
- 39) MF Marcucci, M ~B Bavassano Cattaneo, G Pallochchia, E Amata, R Bruno, A.M. Di Lellis, V Formisano, H Reme, JM Bosqued, I Dandouras, JA Sauvaud, LM Kistler, E Moebius, B Klecker, CW Carlson, GK Parks, M McCarthy, A Korth, R Lundin, A Balogh: *Energetic magnetospheric oxygen in the magnetosheath and its response to IMF orientation: Cluster observations*. Journal of Geophysical Research Atmospheres 07/2004; 109(A7). DOI:10.1029/2003JA010312
- 40) A.M. Di Lellis, S. Orsini, S. Livi, P. Wurz, A. Milillo: *The Neutral Atoms Detector Technologies Developed for the SERENA Package for BepiColombo*. 03/2004; 543(543).
- 41) Vannaroni, E. Pettinelli, C. Ottonello, A. Cereti, G. Della Monica, D. Del Vento, A.M. Di Lellis, R. Di Maio, R. Filippini, A. Galli, A. Menghini, R. Orosei, S. Orsini, S. Pagnan, F. Paolucci, A.R. Pisani, G. Schettini, M. Storini, G. Tacconi: *MUSES: Multi-sensor soil electromagnetic sounding*. Planetary and Space Science 01/2004; 52(1-3-52). DOI:10.1016/j.pss.2003.07.003
- 42) M. Badiali, A. Carusi, A. M. di Lellis, M. Frutti, C. D. La Padula, G. R. Lemaitre, P. Montiel, D. Nanni, A. Vignato, G. B. Valsecchi, R. F. Viotti: *Wide field astronomy with small size telescopes*. 12/2003; 538(538).
- 43) S. Massetti, S. Orsini, H. Lammer, A. Mura, P. Wurz, A. Milillo, A. M. di Lellis, E. de Angelis: *Dynamics of the Solar Wind-induced Cusp-associated sputtering emission from the surface of Mercury*.
- 44) E. de Angelis, A. M. di Lellis, S. Orsini, V. Zanza, M. Maggi, N. Vertolli, R. D'Amicis, B. Tilia, A. Sibio: *Neutral atoms facility for space sensors characterization and BepiColombo/ELENA development instrument's progresses*.
- 45) A. Coradini, M. C. de Sanctis, G. Piccioni, S. Amici, R. Bianchi, F. Capaccioni, M. T. Capria, A. M. di Lellis, S. Espinasse, C. Federico: *In situ analysis of subsurface materials*.
- 46) A.M. Di Lellis, S. Orsini, S. Livi, P. Wurz, A. Milillo, S. Barabash: *SERENA: A Neutral Atoms Detector to be proposed for the ESA's BepiColombo Planetary Orbiter*.
- 47) Milillo, S. Orsini, S. Massetti, A. Mura, E. de Angelis, H. Lammer, P. Wurz, A. M. di Lellis: *Possibility of deriving the Hermean surface composition through low energy neutral atom detection*.
- 48) R. D'Amicis, M. Hilchenbach, S. Orsini, E. Antonucci, R. Bruno, A. Milillo, S. Fineschi, A. M. di Lellis, S. Massetti: *Simulation of Coronal Hole-Associated Neutral Solar Wind as Expected at the Solar Orbiter Position*.
- 49) Domenico Nanni, Roberto F. Viotti, M. Badiali, Andrea M. Di Lellis, Marc Ferrari, Osservatorio Astronomico, Di Roma, Monte Porzio: *A new 30 cm three-reflection telescope for wide-field Astronomy on the Antarctic Plateau*.
- 50) S. Livi, S. Orsini, D. McComas, C. Pollock, T. Moore, A. di Lellis, A. Milillo, P. Wurz: *The Medium and High Energy Neutral Atoms (MH-ENA) detector for the BepiColombo Mission to Mercury*.
- 51) M. Marcucci, M. Bavassano Cattaneo, G. Pallochchia, E. Amata, A. di Lellis, R. Bruno, V. Formisano, H. Reme, J. Bosqued, I. Dandouras, J. Sauvaud, L. Kistler: *Magnetospheric Oxygen in the Magnetosheath as Observed by CIS Cluster*.
- 52) Vannaroni, R. Filippini, E. Pettinelli, M. Storini, G. della Monica, R. di Maio, R. Orosei, C. Ottonello, G. Tacconi, S. Orsini, S. Pagnan, A. Galli, G. Schettini, A. Menghini, A. M. di Lellis, D. del Vento, F. Paolucci, A. Cereti, A. Pisani: *Multi-sensor Soil Electromagnetic Sounding (MuSES) for Mars exploration*. 10/2002; 518.
- 53) L. M. Kistler, H. U. Frey, E. Möbius, C. Mouikis, J. M. Quinn, B. Klecker, H. Rème, J. M. Bosqued, I. Dandouras, J. A. Sauvaud, A. M. Di Lellis, V. Formisano, M. F. Marcucci, C. W. Carlson, J. P. McFadden, G. K. Parks, M. McCarthy, A. Korth, L. Eliasson, R. Lundin, G. Paschmann, M. A. Popecki, S. B. Mende, J. D. Winningham, A. N. Fazakerley: *Motion of auroral ion outflow structures observed with CLUSTER and IMAGE FUV*. Journal of Geophysical Research Atmospheres 08/2002; 107(A8). DOI:10.1029/2001JA005075

- 54) G. Mouikis, L. M. Kistler, W. Baumjohann, E. J. Lund, A. Korth, B. Klecker, E. Möbius, MA Popecki, JA Sauvaud, H. Réme, A. M. Di Lellis, M. McCarthy, C. W. Carlson: *Equator-S observations of He⁺ energization by EMIC waves in the dawnside equatorial magnetosphere*. *Geophysical Research Letters* 05/2002; 29(10). DOI:10.1029/2001GL013899
- 55) Palloccchia, R. Bruno, M. B. Bavassano Cattaneo, M. F. Marcucci, A. M. di Lellis, E. Amata, V. Formisano, H. Reme, J. M. Bosqued, I. Dandouras, J.-A. Sauvaud, L. M. Kistler, E. Moebius, B. Klecker, C. W. Carlson, J. P. McFadden, G. K. Parks, M. McCarthy, A. Korth, R. Lundin: *Turbulence in the solar wind as seen by Cluster CIS experiment: preliminary results on intermittency and scaling laws*. 02/2002; 477.
- 56) A.Milillo, S. Orsini, A. Mura, S. Massetti, E. de Angelis, D. Delcourt, H. Lammer, P. Wurz, S. Livi, A. M. di Lellis: *Analysis of The Mercury-solar Wind Interaction Through Neutral Particle Detection*.
- 57) M. di Lellis, S. Orsini, E. de Angelis, A. Mura, A. Milillo, S. Livi, P. Wurz, V. Zanza: *Detection of Energetic Neutral Atoms From The Esa's Bepicolombo Planetary Orbiter. Low Energetic Atoms Basic Design*.
- 58) E. de Angelis, A. M. di Lellis, V. Zanza, A. Sibio, B. Tilia, N. Vertolli, S. Orsini, S. Massetti, A. Milillo, A. Mura: *Experimental Activity To Realize A Detection System For Energetic Neutral Atoms In The Planetary Environment of Mercury*.
- 59) A. Coradini, F. Angrilli, G. Bellucci, R. Bianchi, F. Capaccioni, L. Colangeli, S. Debei, M. C. De Sanctis, A. M. Di Lellis, S. Espinasse, C. Federico, G. Magni: *The International Package for Scientific Experiments (IPSE) for Mars Surveyor Program*. *Advances in Space Research* 12/2001; 28(8). DOI:10.1016/S0273-1177(01)00282-4
- 60) Coradini, G. Piccioni, S. Amici, R. Bianchi, F. Capaccioni, M.T. Capria, M.C. De Sanctis, A.M. Di Lellis, S. Espinasse, C. Federico, S. Fonti, G. Arnold, S.K. Atreya, T. Owen, M. Blecka, A. Bini, M. Cosi, S. Pieri, M. Tacconi: *MA_MISS: Mars multispectral imager for subsurface studies*. *Advances in Space Research* 12/2001; 28(8-28). DOI:10.1016/S0273-1177(01)00283-6
- 61) Stefano Orsini, Anna Milillo, Elisabetta De Angelis, Andrea Maria Di Lellis, Vincenzo Zanza, Stefano Livi: *Remote sensing of Mercury's magnetospheric plasma environment via energetic neutral atoms imaging*. *Planetary and Space Science* 12/2001; 49(14-15-49). DOI:10.1016/S0032-0633(01)00104-0
- 62) S. Orsini, E. de Angelis, A. M. di Lellis, S. Barabash, I. A. Daglis, D. Delcourt, E. Kallio, R. Killen, S. Livi, A. Milillo, A. Mura, P. Wurz: *Scientific Merits and Technical Aspects of a Thermal/Energetic Neutral Particle Detector On Board the ESA BepiColombo Mission*.
- 63) M. F. Marcucci, M. B. Bavassano Cattaneo, A. M. di Lellis, P. Cerulli Irelli, L. M. Kistler, T.-D. Phan, G. Haerendel: *IMF-By controlled reconnection at the magnetopause*. 01/2001; 72.
- 64) A. Coradini, G. Piccioni, S. Amici, R. Bianchi, F. Capaccioni, M.T. Capria, M.C. De Sanctis, A.M. Di Lellis, S. Espinasse, C. Federico, S. Fonti, G. Arnold, S.K. Atreya, T. Owen, M. Blecka, A. Bini, M. Cosi, S. Pieri, M. Tacconi: *MASS: Mars multispectral imager for subsurface studies*. *Advances in Space Research* 01/2001; 28(8).
- 65) M. F. Marcucci, MBB Cattaneo, AM Di Lellis, P. Cerulli Irelli, L. M. Kistler, T.-D. Phan, G. Haerendel, B. Klecker, G. Paschmann, W. Baumjohann, E. Möbius, MA Popecki, JA Sauvaud, H. Réme, A. Korth, L. Eliasson, C. W. Carlson, M. McCarthy, G. K. Parks: *Evidence for interplanetary magnetic field B-y controlled large-scale reconnection at the dayside magnetopause*. *Journal of Geophysical Research Atmospheres* 12/2000; 105(A12-A12). DOI:10.1029/2000JA000144
- 66) L. M. Kistler, B. Klecker, V. K. Jordanova, E. Möbius, MA Popecki, D. Patel, JA Sauvaud, H. Réme, A. M. Di Lellis, A. Korth, M. McCarthy, R. Cerulli, M. B. Bavassano-Cattaneo, L. Eliasson, C. W. Carlson, G. K. Parks, G. Paschmann, W. Baumjohann, G. Haerendel: *Testing electric field models using ring current ion energy spectra from the Equator-S ion composition (ESIC) instrument*. *Annales Geophysicae* 12/1999; 17(12). DOI:10.1007/s00585-999-1611-2

- 67) A.M. di Lellis, M. T. Capria, S. Espinasse, G. Magni, R. Orosei, G. Piccioni, C. Federico, G. Minelli, C. Pauselli, G. Scarpa: *MARE: Mars radioactivity experiment*.
- 68) Guido Agnelli, Domenico Nanni, Salvatore Cola, Agostino Vignato, Andrea M. di Lellis, C. D. La Padula: *Thermoelectric-cooled 2Kx2K CCD imaging camera for wide-field telescopes*. Proceedings of SPIE - The International Society for Optical Engineering 07/1998; DOI:10.1117/12.316764
- 69) V. Formisano, V.I. Moroz, F. Angrilli, G. Bianchini, E. Bussoletti, N. Cafaro, F. Capaccioni, M.T. Capria, P. Cerroni, G. Chionchio, L. Colangeli, A. Coradini, A. Di Lellis, S. Fonti, R. Orfei, E. Palomba, G. Piccioni, B. Saggin, A. Ekonomov, A. Grigoriev, V. Gnedykh, I. Khatuntsev, A. Kiselev, I. Matsygorin, B. Moshkin, V. Nechaev, Yu. Nikolsky, D. Patsaev, A. Russakov, D. Titov, L. Zasova, M.I. Blecka, A. Jurewicz, M. Michalska, W. Novosielski, P. Orleanski, G. Arnold, H. Hirsch, H. Driesher, J. Lopez-Moreno, R. Rodrigo, J. Rodriguez-Gomez, G. Michel: *PFS: A Fourier spectrometer for the study of Martian atmosphere*. Advances in Space Research 12/1997; 19(8-8). DOI:10.1016/S0273-1177(97)00282-2
- 70) RÈME, J. M. Bosqued, J. A. Sauvaud, A. Cros, J. Dandouras, C. Aoustin, J. Bouyssou, Th. Camus, J. Cuvilo, C. Martz, J. L. MÉDALE, H. Perrier, D. Romefort, J. Rouzaud, C. D'Uston, E. MÖBIUS, K. Crocker, M. Granoff, L. M. Kistler, M. Popecki, D. Hovestadt, B. Klecker, G. Paschmann, M. Scholer, C. W. Carlson, D. W. Curtis, R. P. Lin, J. P. Mcfadden, V. Formisano, E. Amata, M. B. Bavassano-CATTANEO, P. Baldetti, G. Belluci, R. Bruno, G. Chionchio, A. Di Lellis, E. G. Shelley, A. G. Ghielmetti, W. Lennartsson, A. Korth, H. Rosenbauer, R. Lundin, S. Olsen, G. K. Parks, M. Mccarthy, H. Balsiger: *The Cluster Ion Spectrometry (CIS) Experiment*. Space Science Reviews 01/1997; 79(1). DOI:10.1023/A:1004929816409
- 71) A.M. Di Lellis, P. Baldetti, G. Chionchio, V. Formisano: *The Hot-Ion Analyzer instrument for the ESA cluster mission*. Nuovo Cimento- Societa Italiana di Fisica Sezione C 11/1993; 16(6). DOI:10.1007/BF02507873
- 72) A.M.Di Lellis, R. Bruno, M. B. Bavassano-Cattaneo, V. Formisano: *Experimental activity and numerical simulations for the plasma experiment of the ESA CLUSTER Project*. Nuovo Cimento- Societa Italiana di Fisica Sezione C 01/1992; 15(5). DOI:10.1007/BF02507838
- 73) A.M.Di Lellis, V. Formisano, C. Gariazzo: *Event-counting imaging with MCP and WSA*. Nuovo Cimento- Societa Italiana di Fisica Sezione C 01/1990; 13(1). DOI:10.1007/BF02515784
- 74) H. Rème, C. Aoustin, J. M. Bosqued, I. Dandouras, B. Lavraud, J. A. Sauvaud, A. Barthe, J. Bouyssou, Th. Camus, O. Coeur-Joly, A. Cros, J. Cuvilo, F. Ducay, Y. Garbarowitz, J. L. Medale, E. Penou, H. Perrier, D. Romefort, J. Rouzaud, C. Vallat, D. Alcaydé, C. Jacquy, C. Mazelle, C. D'Uston, E. Möbius, L. M. Kistler, K. Crocker, M. Granoff, C. Mouikis, M. Popecki, M. Vosbury, B. Klecker, D. Hovestadt, H. Kucharek, E. Kuenneth, G. Paschmann, M. Scholer, N. Sckopke, E. Seidenschwang, C. W. Carlson, D. W. Curtis, C. Ingraham, R. P. Lin, J. P. McFadden, G. K. Parks, T. Phan, V. Formisano, E. Amata, M. B. Bavassano-Cattaneo, P. Baldetti, R. Bruno, G. Chionchio, A. Di Lellis, M. F. Marcucci, G. Pallochchia, A. Korth, P. W. Daly, B. Graeve, H. Rosenbauer, V. Vasyliunas, M. McCarthy, M. Wilber, L. Eliasson, R. Lundin, S. Olsen, E. G. Shelley, S. Fuselier, A. G. Ghielmetti, W. Lennartsson, C. P. Escoubet, H. Balsiger, R. Friedel, J. B. Cao, R. A. Kovrazhkin, I. Papamastorakis, R. Pellat, J. Scudder, B. Sonnerup: *Reme, H. et al. First multispacecraft ion measurements in and near the Earth's magnetosphere with the identical Cluster ion spectrometry (CIS) experiment*. Ann. Geophys. 19, 1303-1354. Annales Geophysicae 01/2001; 19(10/12). DOI:10.5194/angeo-19-1303-2001
- 75) V. Formisano, V.I. Moroz, F. Angrilli, G. Bianchini, E. Bussoletti, N. Cafaro, F. Capaccioni, M.T. Capria, P. Cerroni, G. Chionchio, L. Colangeli, A. Coradini, A. Di Lellis, S. Fonti, R. Orfei, E. Palomba, G. Piccioni, B. Saggin, A. Ekonomov, A. Grigoriev, V. Gnedykh, I. Khatuntsev, A. Kiselev, I. Matsygorin, B. Moshkin, V. Nechaev, Yu. Nikolsky, D. Patsaev, A. Russakov, D. Titov, L. Zasova, M.I. Blecka, A. Jurewicz, M. Michalska, W.

- Novosielski, P. Orleanski, G. Arnold, H. Hirsch, H. Driesher, J. Lopez-Moreno, R. Rodrigo, J. Rodriguez-Gomez, G. Michel: *PFS: A fourier spectrometer for the study of Martian atmosphere*. Advances in Space Research
- 76) P. Drossart, G. Piccioni, J. C. Gerard, M. A. Lopez-Valverde, A. Sanchez-Lavega, L. Zasova, R. Hueso, F. W. Taylor, B. Bezard, A. Adriani, F. Angrilli, G. Arnold, K. H. Baines, G. Bellucci, J. Benkhoff, J.-P. Bibring, A. Blanco, M. I. Blecka, R. W. Carlson, A. Coradini, A. Di Lellis, T. Encrenaz, S. Erard, S. Fonti, V. Formisano, T. Fouchet, R. Garcia, R. Haus, J. Helbert, N. I. Ignatiev, P. Irwin, Y. Langevin, S. Lebonnois, D. Luz, L. Marinangeli, V. Orofino, A. V. Rodin, M. C. Roos-Serote, B. Saggin, D. M. Stam, D. Titov, G. Visconti, M. Zambelli, C. Tsang: *A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express*.

Conference Proceedings

- Giovanni Giusi ; Scige J. Liu ; Emanuele Galli ; Anna M. Di Giorgio ; Maria Farina ; Nello Vertolli ; Andrea M. Di Lellis, *Performance analysis of the GR712RC dual-core LEON3FT SPARC V8 processor in an asymmetric multi-processing environment*. Proc. SPIE 9904, Space Telescopes and Instrumentation 2016: Optical, Infrared, and Millimeter Wave, 99045Q (July 29, 2016); doi:10.1117/12.2232589
- Stefano Orsini, Elisabetta De Angelis, Stefano Selci, Andrea Di Lellis, Roberto Leoni, Rosanna Rispoli, Luca Colasanti, Nello Vertolli, Alessandro Mura, Anna Milillo: *The BepiColombo Serena/ELENA instrument: performances and testing*. EGU General Assembly Conference Abstracts; 01/2013
- R Rispoli, E De Angelis, L Colasanti, N Vertolli, S Orsini, J Scheer, A Mura, A Milillo, P Wurz, S Selci, Andrea Maria Di Lellis, Roberto Leoni, Marco D'Alessandro, Francesco Mattioli, Sara Cibella: *ELENA MCP detector: absolute efficiency measurement for low energy neutral atoms*. EGU General Assembly Conference Abstracts; 01/2012
- S Orsini, S Selci, AM Di Lellis, A Mura, E De Angelis, A Milillo, R Leoni, I Dandouras, J Scheer, P Wurz: *The BepiColombo SERENA/ELENA sensor. Approaching final delivery: sensor description and recent results*. EGU General Assembly Conference Abstracts; 01/2012
- S Orsini, E De Angelis, S Selci, AM Di Lellis, R Leoni, R Rispoli, L Colasanti, N Vertolli, J Scheer, A Mura: *BepiColombo Serena/ELENA instrument: development and testing*. EGU General Assembly Conference Abstracts; 01/2012
- DJ McComas, AJ Coates, GH Jones, CS Arridge, DO Kataria, AN Fazakerley, CJ Owen, G Branduardi-Raymont, DT Young, FJ Cray, M Desai, SJ Bolton, S Selci, R Leoni, AM Di Lellis, RE Johnson, S Miller, N Achilleos, SWH Cowley, EJ Bunce, J Saur: *JUPITER MAGNETOSPHERE AND MOONS PLASMA (JuMMP) INVESTIGATION FOR EJSM*. Synergistic Science & Instrument Poster Abstracts; 01/2009
- Anna Milillo, Stefano Orsini, Stefano Livi, Klaus Torkar, S. Barabash, Peter Wurz, Andrea Maria Di Lellis, Esa Kallio, SERENA team, J. Balaz: *SERENA: A suite of four instruments (ELENA, STROFIO, PICAM and MIPA) on board BepiColombo-MPO for particle detection in the Hermean environment*. 37th COSPAR Scientific Assembly 2008, Space Studies of the Earth-Moon System, Planets, and Small Bodies of the Solar System, Montreal, Canada; 07/2008
- S. Orsini, S. Livi, K. Torkar, S. Barabash, A. Milillo, P. Wurz, A. M. Di Lellis, E. Kallio, SERENA team, J. Balaz (SERENA team): *SERENA: a Novel Instrument Package on board BepiColombo-MPO to study Neutral and Ionized Particles in the Hermean Environment*. Future perspective of space plasma and instrumentation and international collaboration, Rikkyo University, Tokyo, Japan,; 11/2006
- Stefano Massetti, Stefano Orsini, Helmut Lammer, Alessandro Mura, Peter Wurz, Anna Milillo, Andrea Maria Di Lellis, Elisabetta De Angelis: *Dynamics of the Solar Wind-induced Cusp-associated sputtering emission from the surface of Mercury*. EGS-AGU-EUG Joint Assembly 2003, Nice, France; 04/2003
- S. Espinasse, E. Flamini, F. Angrilli, S. Debei, E. De Marchi, R. Ferrario, A. Terribile, A. Coradini, F. Capaccioni, A. Di Lellis, G. Magni, R. Bianchi, L. Colangeli, C. Federico: *IPSE: Italian package for scientific experiments*. Aerospace Conference Proceedings, 2002. IEEE; 02/2002.

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