

Simonetta Di Pippo

Professor of Practice



Knowledge group: Government, Health and Not for Profit

Research domains: Space Economy

Teaching domains:

simonetta.dipippo@sdabocconi.it

Biography

Simonetta Di Pippo is Professor of Practice of Space Economy and Director of the Space Economy Evolution Lab (SEE Lab), SDA Bocconi, and visiting professor of practice at NYUAD. From 2014 to 2022 she was Director of UNOOSA (United Nations Office for Outer Space Affairs). Astrophysicist by training (Università "La Sapienza"), she was awarded with two honoris causa degrees, in Environmental Studies and a PhD in International Affairs. Author of 'Space Economy – the new frontier for development' and "The Moon, a lab for peace' - Bocconi University Press. She served as Director of Human Spaceflight at ESA, Director of the Observation of the Universe at the Italian Space Agency and led the 'European Space Policy Observatory at ASI-Brussels.

She is an Academician of IAA (International Academy of Astronautics) and member of the World Economic Forum Global Future Council on space since 2016. In 2009, she founded Women in Aerospace Europe, and currently serves as its Honorary President, and in 2017 she became UN International Gender Champion. She is member of the governing committee of the Osservatorio Metropolitan of Milan, and from May 2023 she is a RINA SPA board member and chairs its ESG committee. From August 2023, she is member of the scientific committee of Criptaliae, aimed at developing the Grottaglie Italian spaceport. In January 2024, she has been included by Forbes in the 50 over 50 list of top female leaders.

In 2008, the International Astronomical Union (IAU) named asteroid 21887 "dipippo" in recognition of her contributions to space exploration. First woman to receive the Hubert Curien award. In 2006, the Presidente della Repubblica Carlo Azeglio Ciampi awarded her with the title of Cavaliere Ufficiale, and in 2022 Presidente Mattarella with the title of Commendatore. In 2022, she has been included in the Hall of Fame of the International Astronautical Federation, the President of Austria awarded her with the Grand Decoration of Honour with Gold, and the Japanese Government with the Order of the Rising Sun.

Articles in Scholarly Journals

Space Sustainability in Earth Orbits: A Multidisciplinary Approach to Identify and Mitigate Economic, Operational, and Technological Risks of Active Debris Removal Solutions

DI PIPPO, S., C. L. MATONTI, A. V. ATZORI, M. ROMANO, "Space Sustainability in Earth Orbits: A Multidisciplinary Approach to Identify and Mitigate Economic, Operational, and Technological Risks of Active Debris Removal Solutions", *New Space*, 2026

1FLAT: A Firmamento-based Catalog of Active Galactic Nuclei in Fermi-LAT High-Galactic-latitude γ Ray Sourcess

GIOMMI, P., M. DORO, M. GOUVÊA, L. FRONTE, F. METRUCCIO, F. ARNEODO, U. BARRES DE ALMEIDA, S. DI PIPPO, T. KERSCHER, A. MACCIÒ, B. MAZZON, M. MORRONE, E. PRANDINI, A. RODRÍGUEZ, A. RUINA, N. SAHAKYAN, L. SILVERI, D. TRIPATHI, "1FLAT: A Firmamento-based Catalog of Active Galactic Nuclei in Fermi-LAT High-Galactic-latitude γ Ray Sourcess", *The Astrophysical Journal Supplement*, 2025, vol. 281, no. 2, pp. 53

Funding New Space Companies in Equity Markets: Assessing the Risk and Uncertainty of Newly Listed Public Companies

DI PIPPO, S., L. GORI, M. PIANORSI, C. IACOMINO, P. I. LORUSSO, F. LATINO, "Funding New Space Companies in Equity Markets: Assessing the Risk and Uncertainty of Newly Listed Public Companies", *New Space*, 2024, vol. 12, no. 3, pp. 188–201

Space for the Sustainable Development Goals: mapping the contributions of space-based projects and technologies to the achievement of the 2030 Agenda for Sustainable Development

BAUMGART, A., E. I. VLACHOPOULOU, J. D. R. VERA, S. DI PIPPO, "Space for the Sustainable Development Goals: mapping the contributions of space-based projects and technologies to the achievement of the 2030 Agenda for Sustainable Development", *Sustainable Earth*, 2021, vol. 4, no. 1

X-ray spectra, light curves and SEDs of blazars frequently observed by Swift

GIOMMI, P., M. PERRI, M. CAPALBI, V. D'ELIA, U. BARRES DE ALMEIDA, C. H. BRANDT, A. M. T. POLLOCK, F. ARNEODO, A. DI GIOVANNI, Y. L. CHANG, O. CIVITARESE, M. DE ANGELIS, C. LETO, F. VERRECCHIA, N. RICARD, S. DI PIPPO, R. MIDDEI, A. V. PENACCHIONI, R. RUFFINI, N. SAHAKYAN, D. ISRAYELIAN, S. TURRIZIANI, "X-ray spectra, light curves and SEDs of blazars frequently observed by Swift", *Monthly Notices of the Royal Astronomical Society*, 2021, vol. 507, no. 4, pp. 5690-5702

Open Universe survey of Swift-XRT GRB fields: Flux-limited sample of HBL blazars

GIOMMI, P., Y. L. CHANG, S. TURRIZIANI, T. GLAUCH, C. LETO, F. VERRECCHIA, P. PADOVANI, A. V. PENACCHIONI, F. ARNEODO, U. BARRES DE ALMEIDA, C. H. BRANDT, M. CAPALBI, O. CIVITARESE, V. D'ELIA, A. DI GIOVANNI, M. DE ANGELIS, J. DEL RIO VERA, S. DI PIPPO, R. MIDDEI, M. PERRI, A. M. T. POLLOCK, S. PUCCHETTI, N. RICARD, R. RUFFINI, N. SAHAKYAN, "Open Universe survey of Swift-XRT GRB fields: Flux-limited sample of HBL blazars", *Astronomy & Astrophysics*, 2020, vol. 642, pp. A141

Access to Space: Capacity-building for development through experiment and payload opportunities

GARCÍA YÁRNOZ, D., A. KOJIMA, S. DI PIPPO, "Access to Space: Capacity-building for development through experiment and payload opportunities", *Acta Astronautica*, 2019, vol. 154, pp. 227-232

Open Universe for Blazars: a new generation of astronomical products based on 14 years of -XRT data

GIOMMI, P., C. H. BRANDT, U. BARRES DE ALMEIDA, A. M. T. POLLOCK, F. ARNEODO, Y. L. CHANG, O. CIVITARESE, M. DE ANGELIS, V. D'ELIA, J. DEL RIO VERA, S. DI PIPPO, R. MIDDEI, A. V. PENACCHIONI, M. PERRI, R. RUFFINI, N. SAHAKYAN, S. TURRIZIANI, "Open Universe for Blazars: a new generation of astronomical products based on 14 years of -XRT data", *Astronomy & Astrophysics*, 2019, vol. 631, pp. A116

Reflections on the 50th Anniversary of the Outer Space Treaty, UNISPACE+50, and Prospects for the Future of Global Space Governance

MARTINEZ, P., P. JANKOWITSCH, K.-U. SCHROGL, S. DI PIPPO, Y. OKUMURA, "Reflections on the 50th Anniversary of the Outer Space Treaty, UNISPACE+50, and Prospects for the Future of Global Space Governance", *Space Policy*, 2019, vol. 47, pp. 28-33

The contribution of space for a more sustainable earth: leveraging space to achieve the sustainable development goals

DI PIPPO, S., "The contribution of space for a more sustainable earth: leveraging space to achieve the sustainable development goals", *Global Sustainability*, 2019, vol. 2, pp. e3

Access to space: A new approach by the united nations office for outer space affairs

KOJIMA, A., D. G. YÁRNOZ, S. DI PIPPO, "Access to space: A new approach by the united nations office for outer space affairs", *Acta Astronautica*, 2018, vol. 152, pp. 201-207

International Collaboration Within the United Nations Committee on the Peaceful Uses of Outer Space: Framework for International Space Weather Services (2018-2030)

MANN, I. R., S. DI PIPPO, H. J. OPGENOORTH, M. KUZNETSOVA, D. J. KENDALL, "International Collaboration Within the United Nations Committee on the Peaceful Uses of Outer Space: Framework for International Space Weather Services (2018-2030)", *Space Weather*, 2018, vol. 16, no. 5, pp. 428-433

Towards a results-based management approach for capacity-building in space science, technology and applications to support the implementation of the 2030 agenda for sustainable development

BALOGH, W. R., L. ST-PIERRE, S. DI PIPPO, "Towards a results-based management approach for capacity-building in space science, technology and applications to support the implementation of the 2030 agenda for sustainable development", *Acta Astronautica*, 2017, vol. 139, pp. 385-389

Exploring Mars and its terrestrial analogues

FLAMINI, E., G. G. ORI, S. DI PIPPO, G. OSINSKY, "Exploring Mars and its terrestrial analogues", *Planetary and Space Science*, 2009, vol. 57, no. 5-6, pp. 509

Sorrento Lunar Declaration 2007

FOING, B. H., S. ESPINASSE, M. WARGO, S. DI PIPPO, "Sorrento Lunar Declaration 2007", *Advances in Space Research*, 2008, vol. 42, no. 2, pp. 246-247

Titano: la scoperta di un nuovo mondo

FLAMINI, E., S. DI PIPPO, "Titano: la scoperta di un nuovo mondo", *Astronomia*, April 2007, vol. 284

Italian participation in the Mars exploration program

CORADINI, A., J. CAMPBELL, M. C. DE SANCTIS, S. DI PIPPO, S. ESPINASSE, E. FLAMINI, R. MUGNUOLO, R. OROSEI, G. PICCIONI, "Italian participation in the Mars exploration program", *Advances in Space Research*, 2001, vol. 28, no. 8, pp. 1197-1202

Network science landers for Mars

HARRI, A. M., O. MARSAL, P. LOGNONNE, G. W. LEPPELMEIER, T. SPOHN, K. H. GLASSMEIER, F. ANGRILLI, W. B. BANERDT, J. P. BARRIOT, J. L. BERTAUX, J. J. BERTHELIER, S. CALCUTT, J. C. CERISIER, D. CRISP, V. DEHANT, D. GIARDINI, R. JAUMANN, Y. LANGEVIN, M. MENVIELLE, G. MUSMANN, J. P. POMMERAU, S. DI PIPPO, D. GUERRIER, K. KUMPULAINEN, S. LARSEN, A. MOCQUET, J. POLKKO, J. RUNAVOT, W. SCHUMACHER, T. SIILI, J. SIMOLA, J. E. TILLMAN, "Network science landers for Mars", *Advances in Space Research*, 1999, vol. 23, no. 11, pp. 1915-1924

Rosetta lander in situ characterization of a comet nucleus

WITTMANN, K., B. FEUERBACHER, S. ULAMEC, H. ROSENBAUER, J. P. BIBRING, D. MOURA, R. MUGNUOLO, S. DI PIPPO, K. SZEGO, G. HAERENDEL, "Rosetta lander in situ characterization of a comet nucleus", *Acta Astronautica*, 1999, vol. 45, no. 4-9, pp. 389-395

The exploitation of Europa ice and water basins: an assessment on required technological developments, on system design approaches and on relevant expected benefits to space and Earth based activities

DI PIPPO, S., R. MUGNUOLO, P. VIELMO, W. PRENDIN, "The exploitation of Europa ice and water basins: an assessment on required technological developments, on system design approaches and on relevant expected benefits to space and Earth based activities", *Planetary and Space Science*, 1999, vol. 47, no. 6-7, pp. 921-933

Future potential applications of robotics for the International Space Station

DI PIPPO, S., G. COLOMBINA, R. BOUMANS, P. PUTZ, "Future potential applications of robotics for the International Space Station", *Robotics and Autonomous Systems*, 1998, vol. 23, no. 1-2, pp. 37-43

La Robotica Spaziale: stato dell'arte e linee di sviluppo

SCIAVICCO, L., S. DI PIPPO, "La Robotica Spaziale: stato dell'arte e linee di sviluppo", *Alta Frequenza. Rivista di Elettronica*, October 1998, vol. 10, no. 5

The SPIDER manipulation system (SMS) The Italian approach to space automation

MUGNUOLO, R., S. DI PIPPO, P. G. MAGNANI, E. RE, "The SPIDER manipulation system (SMS) The Italian approach to space automation", *Robotics and Autonomous Systems*, 1998, vol. 23, no. 1-2, pp. 79-88

Automation & Robotics: The key tool for space exploration

DI PIPPO, S., "Automation & Robotics: The key tool for space exploration", *Acta Astronautica*, 1997, vol. 41, no. 4-10, pp. 247-254

International strategy for the exploration of Mars

DI PIPPO, S., IMEWG REPRESENTATIVES, "International strategy for the exploration of Mars", *Planetary and Space Science*, 1995, vol. 43, no. 5, pp. 581-595

Practice-Oriented Books

Space Economy - II ed.: The competitive arena of the future

DI PIPPO, S. - "Space Economy - II ed.: The competitive arena of the future" - 2026, Bocconi University Press - BUP, Milano, Italy

Space Economy - II ed.: L'arena competitiva del futuro

DI PIPPO, S. - "Space Economy - II ed.: L'arena competitiva del futuro" - 2025, Bocconi University Press - BUP, Milano, Italy

Luna, Laboratorio di Pace

DI PIPPO, S. - "Luna, Laboratorio di Pace" - 2024, Egea, Milano, Italy

Space Economy: The New Frontier for Development

DI PIPPO, S. - "Space Economy: The New Frontier for Development" - 2023, Bocconi University Press - BUP, Milano, Italy

Space Economy: La nuova frontiera dello sviluppo

DI PIPPO, S. - "Space Economy: La nuova frontiera dello sviluppo" - 2022, Università Bocconi Editore, Milano, Italy

Dai Ghiacciai della Terra ai Ghiacciai dell'Universo

SMIRAGLIA, C., I. E. TABACCO, M. DI MARTINO, S. DI PIPPO, C. GUAITA - "Dai Ghiacciai della Terra ai Ghiacciai dell'Universo" - 2007, Erga Edizioni, Italy

Astronauti

DI PIPPO, S. - "Astronauti" - 2002, Ugo Mursia Editore, Italy

Edited Books

Space economy, space industry, space law

DI PIPPO, S., S. MARCHISIO (Eds.), "Space economy, space industry, space law" - 2024, Il Mulino, Bologna, Italy

Public/private human access to space. Volume 2: Earth orbit and beyond

DI PIPPO, S., K. DAVIDIAN (Eds.), "Public/private human access to space. Volume 2: Earth orbit and beyond" - 2018, International Academy of Astronautics (IAA), Paris, France

Contribution to Chapters, Books or Research Monographs

L'evoluzione della governance in ONU: il caso dell'UNOOSA

DI PIPPO, S., "L'evoluzione della governance in ONU: il caso dell'UNOOSA" in ONU 1945-2025. Studi su un sistema globale., Marco Mugnaini (Ed.), Franco Angeli, pp. 115-128, 2025

Space Economy: The Engine of the New Space Race

IACOMINO, C., S. DI PIPPO, M. PIANORSI, F. LATINO, "Space Economy: The Engine of the New Space Race" in The Sky is not the Limit. Geopolitics and Economics of the New Space Race., Alessandro Gili (Ed.), Ledizioni LediPublishing, chap. 2, pp. 45-74, 2024

The Case for a United Nations Vision for Outer Space Activities

DI PIPPO, S., M. WOLTRAN, M. STASKO, "The Case for a United Nations Vision for Outer Space Activities" in Space Capacity Building in the XXI Century., Stefano Ferretti (Ed.), Springer International Publishing, pp. 21-31, 2020

The Open Universe Initiative

GIOMMI, P., G. ARRIGO, U. B. DE ALMEIDA, M. DE ANGELIS, J. DEL RIO VERA, S. DI CIACCIO, S. DI PIPPO, S. IACOVONI, A. POLLOCK, "The Open Universe Initiative" in Space Capacity Building in the XXI Century., Stefano Ferretti (Ed.), Springer International Publishing, pp. 377-386, 2020

Supporting Sustainable Development with Outer Space Activities

DI PIPPO, S., "Supporting Sustainable Development with Outer Space Activities" in Yearbook on Space Policy 2016., Cenani Al-Ekabi, Stefano Ferretti (Eds.), Springer International Publishing, pp. 199-207, 2018

Oltre le nuvole per aiutare il pianeta

DI PIPPO, S., "Oltre le nuvole per aiutare il pianeta" in 100 donne contro gli stereotipi per la scienza., G. Pezzuoli, L. Seveso (Eds.), Egea, pp. 75-80, 2017

European Operational Initiative on NEONear Earth Object (NEO) Hazard Monitoring

DI PIPPO, S., E. PEROZZI, "European Operational Initiative on NEONear Earth Object (NEO) Hazard Monitoring" in Handbook of Cosmic Hazards and Planetary Defense., Joseph N. Pelton, Firooz Allahdadi (Eds.), Springer International Publishing, pp. 615-635, 2015

Other

How spacefaring nations could avoid conflict on the Moon

DI PIPPO, S., "How spacefaring nations could avoid conflict on the Moon", The Conversation, 20 October 2025

Italian space economy hits record, with revenues up 12.3% - Space economy italiana da record, con ricavi +12,3%

DI PIPPO, S., N. CARRARO, M. NORI, O. A. ROBALINO FLORETT, "Italian space economy hits record, with revenues up 12.3% - Space economy italiana da record, con ricavi +12,3%", SDA Bocconi Insight, 15 December 2025

Verso il cloud orbitale europeo: le opportunità strategiche per l'Italia

DI PIPPO, S., "Verso il cloud orbitale europeo: le opportunità strategiche per l'Italia", Agenda Digitale, 23 June 2025

How Bangladesh Flood Warnings Could Get a Boost from the Sky - La difesa contro le inondazioni del Bangladesh può venire dal cielo

BORGOGNO, F., S. DI PIPPO, C. IACOMINO, M. PIANORSI, A. SAPUTO, G. CABRONI, "How Bangladesh Flood Warnings Could Get a Boost from the Sky - La difesa contro le inondazioni del Bangladesh può venire dal cielo", SDA Bocconi Insight, 17 June 2024

Humans are going back to the Moon to stay, but when that will be is becoming less clear

DI PIPPO, S., "Humans are going back to the Moon to stay, but when that will be is becoming less clear", The Conversation, 26 January 2024

Polaris Dawn: the first spacewalk by commercial astronauts will be historic, but the mission carries risks

DI PIPPO, S., "Polaris Dawn: the first spacewalk by commercial astronauts will be historic, but the mission carries risks", The Conversation, 27 August 2024

With its latest Moon mission success, China's space programme has the US in its sights

DI PIPPO, S., "With its latest Moon mission success, China's space programme has the US in its sights", The Conversation, 4 July 2024

All-UK astronaut mission shows that private enterprise is vital to the future of space exploration

DI PIPPO, S., "All-UK astronaut mission shows that private enterprise is vital to the future of space exploration", The Conversation, 3 November 2023

La lezione degli astronauti: collaborare è sopravvivere

DI PIPPO, S., "La lezione degli astronauti: collaborare è sopravvivere", Vanity Fair, 12 October 2022

Space as a driver for sustainable development

DI PIPPO, S., "Space as a driver for sustainable development", SDA Bocconi Insight - Podcast, 26 April 2022

Parola di astronauta. Le nostre imprese nello spazio

PEROZZI, E., S. DI PIPPO, "Parola di astronauta. Le nostre imprese nello spazio", Edizioni Lapis, 2019

La lunga strada verso Marte

HUNTRESS JR., W. T., S. DI PIPPO, "La lunga strada verso Marte", Le Scienze, February 2005, vol. 438

The Italian Space Agency (ASI) participation in the ISS 4S Taxi Flight mission "Marco Polo"

BRACCIAFERRI, S., S. DI PIPPO, E. CEGLIA, L. ANNICIELLO, R. FORTEZZA, "The Italian Space Agency (ASI) participation in the ISS 4S Taxi Flight mission "Marco Polo"", European Low Gravity Research Association - ELGRA Newsletter, June 2002, vol. 3, pp. 7-10

GRB studies with AGILE

DI PIPPO, S., F. LONGO, G. BARBIELLINI, G. BUDINI, M. PREST, A. VACCHI, P. CARAVEO, S. MEREGHETTI, F. PEROTTI, M. TAFANI, S. VERCELLONE, E. COSTA, V. COCCO, A. MORSELLI, P. PICOZZA, G. DI COCCO, C.

LABANTI, A. PELLIZZONI, "GRB studies with AGILE", Bulletin of the American Astronomical Society (BAAS), April 1999, vol. 31, pp. 718

Mars 2003 and Beyond: Drilling the Surface

DI PIPPO, S., "Mars 2003 and Beyond: Drilling the Surface", Bulletin of the American Astronomical Society (BAAS), November 1999, vol. 31, pp. 1583

The AGILE mission and gamma-ray emitting AGNs

VERCELLONE, S., P. CARAVEO, S. MEREGHETTI, F. PEROTTI, M. TAVANI, G. BARBIELLINI, F. LONGO, G. BUDINI, M. PREST, A. VACCHI, A. MORSELLI, P. PICOZZA, V. COCCO, E. COSTA, G. DI COCCO, C. LABANTI, S. DI PIPPO, A. PELLIZZONI, "The AGILE mission and gamma-ray emitting AGNs", Bulletin of the American Astronomical Society (BAAS), April 1999, vol. 31, pp. 721

SPIDER: a manipulation system for payload servicing

MUGNUOLO, R., S. DI PIPPO, P. G. MAGNANI, E. RE, "SPIDER: a manipulation system for payload servicing", ESA Publication: "Preparing for the future", June 1997, vol. 7, no. 2

Beyond this world: Scientific missions of the European Space Agency – Book review

DI PIPPO, S., "Beyond this world: Scientific missions of the European Space Agency – Book review", Planetary and Space Science, 1995, vol. 43, no. 6, pp. 843

Articles in national/international newspapers

Il futuro spaziale dell'UE tra etichette verdi ritardi e zone grigie

DI PIPPO, S., "Il futuro spaziale dell'UE tra etichette verdi ritardi e zone grigie", La Repubblica - Affari&Finanza, 8 September 2025

Il prossimo passo la conquista della Luna

DI PIPPO, S., "Il prossimo passo la conquista della Luna", La Repubblica - Affari&Finanza, 20 October 2025

Una costellazione di opportunità sopra di noi

DI PIPPO, S., "Una costellazione di opportunità sopra di noi", lavoce.info, 13 May 2025

C'è un satellite per ogni soluzione

DI PIPPO, S., "C'è un satellite per ogni soluzione", Economia de Il Corriere della Sera, 25 March 2024

Economia dello spazio, sfida italiana

DI PIPPO, S., "Economia dello spazio, sfida italiana", Il Sole 24 Ore, 12 September 2024

Quant'è lontano lo spazio visto dall'Europa

DI PIPPO, S., "Quant'è lontano lo spazio visto dall'Europa", lavoce.info, 5 September 2024

Non c'è pace sulla Terra. Cerchiamola sulla Luna

DI PIPPO, S., "Non c'è pace sulla Terra. Cerchiamola sulla Luna", La Lettura - Corriere della Sera, 26 November 2023

Perché investire nell'economia dello spazio aiuta progresso e società

DI PIPPO, S., "Perché investire nell'economia dello spazio aiuta progresso e società", Il Sole 24 Ore, 13 October 2023

In Ucraina non c'è un'alternativa a Starlink che però nel lungo termine non è sostenibile

DI PIPPO, S., "In Ucraina non c'è un'alternativa a Starlink che però nel lungo termine non è sostenibile", Il Foglio, 20 December 2022

Spazio - Più economia spaziale per vincere le sfide dell'umanità

DI PIPPO, S., "Spazio - Più economia spaziale per vincere le sfide dell'umanità", Milano Finanza, 2 December 2022

Proceedings/Presentations

Funding new Space Companies in Equity Markets. Assessing the Risk and Uncertainty of newly listed Public Companies

DI PIPPO, S., L. GORI, M. PIANORSI, C. IACOMINO, P. I. LORUSSO, "Funding new Space Companies in Equity Markets. Assessing the Risk and Uncertainty of newly listed Public Companies" in 74th International Astronautical Congress – 'Global Challenges and Opportunities: Give Space a Chance' - 2-6 October, 2023, Baku, Azerbaijan

Is the Lunar Economy solely for the Space Industry? Opportunities for Non-Space Companies in Lunar Infrastructure Leveraging Technological Synergies

DI PIPPO, S., M. PIANORSI, G. GAUTEL, L. CUJKO, E. VITTORI, A. CONCONI, F. PAPAMARENGHI, "Is the Lunar Economy solely for the Space Industry? Opportunities for Non-Space Companies in Lunar Infrastructure Leveraging Technological Synergies" in 74th International Astronautical Congress – 'Global Challenges and Opportunities: Give Space a Chance' - 2-6 October, 2023, Baku, Azerbaijan

Space Sustainability in LEO: A Multidisciplinary Approach to Identify and Mitigate Economic, Operational and Technological Risks of Active Debris Removal Solutions

DI PIPPO, S., M. ROMANO, C. IACOMINO, A. CONCONI, E. GIACOMINI, C. L. MATONTI, "Space Sustainability in LEO: A Multidisciplinary Approach to Identify and Mitigate Economic, Operational and Technological Risks of Active Debris Removal Solutions" in 74th International Astronautical Congress – 'Global Challenges and Opportunities: Give Space a Chance' - 2-6 October, 2023, Baku, Azerbaijan

Towards a Bottom-Up Approach to Space Debris Removal: On the Economic Convenience Behind Debris Mitigation Strategies

DI PIPPO, S., C. IACOMINO, A. ROSSI, M. NORI, A. SAPUTO, F. VENTRE, F. COLANTONI, "Towards a Bottom-Up Approach to Space Debris Removal: On the Economic Convenience Behind Debris Mitigation Strategies" in 74th International Astronautical Congress – 'Global Challenges and Opportunities: Give Space a Chance' -

2-6 October, 2023, Baku, Azerbaijan

Four pillars to address the future of space

DI PIPPO, S., S. GADIMOVA, M. WOLTRAN, "Four pillars to address the future of space" in IAC 2016 Congress Proceedings, 67th International Astronautical Congress (IAC), 26–30 September, 2016, Guadalajara, Mexico

Global Space governance and the future of space

DI PIPPO, S., R. KOFLER, M. WOLTRAN, "Global Space governance and the future of space" in IAC 2016 Congress Proceedings, 67th International Astronautical Congress (IAC), 26–30 September, 2016, Guadalajara, Mexico

The United Nations Office for Outer Space Affairs and its contributions to implement the 2030 agenda for sustainable development

BALOGH, W. R., L. ST-PIERRE, S. DI PIPPO, "The United Nations Office for Outer Space Affairs and its contributions to implement the 2030 agenda for sustainable development" in IAC 2016 Congress Proceedings, 67th International Astronautical Congress (IAC), 26–30 September, 2016, Guadalajara, Mexico

An outline of the IAA study group ‘public/private human access to space’

DI PIPPO, S., K. DAVIDIAN, "An outline of the IAA study group ‘public/private human access to space’" in IAC 2013 Congress Proceedings, 64th International Astronautical Congress (IAC), 23-27 September, 2013, Beijing, China (PRC)

Experience with European Collaborative Space Projects

DI PIPPO, S., "Experience with European Collaborative Space Projects" in IAC 2012 Congress Proceedings, 63rd International Astronautical Congress (IAC), 1–5 October, 2012, Naples, Italy

Pursuing the advancement of space safety: the case of ISSF & IAASS

DI PIPPO, S., F. GREGORY, T. SGOBBA, "Pursuing the advancement of space safety: the case of ISSF & IAASS" in IAC 2012 Congress Proceedings, 63rd International Astronautical Congress (IAC), 1–5 October, 2012, Naples, Italy

Future Lunar Exploration activities in ESA

CARPENTER, J. D., B. HOUDOU, R. FISACKERLY, D. KOSCHNY, A. PRADIER, S. DI PIPPO, B. GARDINI, "Future Lunar Exploration activities in ESA" in EGU-European Geosciences Union General Assembly 2009 - April 19-24, 2009, Wien, Austria

Preparations for ESA’s first Lunar Lander

ESPINASSE, S., J. D. CARPENTER, R. FISACKERLY, B. GARDINI, B. HOUDOU, S. DI PIPPO, A. PRADIER, "Preparations for ESA’s first Lunar Lander" in LEAG Annual Meeting, 16-19 November, 2009, Houston, TX, United States of America

Italy’s plans for Moon Exploration

ESPINASSE, S., S. DI PIPPO, "Italy’s plans for Moon Exploration" in The 9th ILEWG International Conference on Exploration and Utilisation of the Moon (ICEUM9-ILC2007), October 22-26, 2007, Sorrento, Italy

AMS on ISS. Construction of a particle physics detector on the International Space Station – Special Edition

DI PIPPO, S., "AMS on ISS. Construction of a particle physics detector on the International Space Station – Special Edition" in III International Conference on Particles and Fundamental Physics in Space, Space Part - 06, 19-21 April, 2006, Beijing, China (PRC)

Italy's vision for Moon Exploration

ESPINASSE, S., S. DI PIPPO, "Italy's vision for Moon Exploration" in International Lunar Conference, July 23-27, 2006, Beijing, China (PRC)

SHARAD: SHAllow Radar: The Search for SubSurface Water Reservoir on Mars

DI PIPPO, S., E. FLAMINI, L. LORENZONI, R. OROSEI, R. SEU, R. SOMMA, "SHARAD: SHAllow Radar: The Search for SubSurface Water Reservoir on Mars" in IGARSS03, July 21-25, 2003, Toulouse, France

Marco Polo: an Italian Mission scoring a lot of records

DI PIPPO, S., F. BRACCIAFERRI, "Marco Polo: an Italian Mission scoring a lot of records" in The World Space Congress, October 10-19, 2002, Houston, TX, United States of America

Technological spin-offs of the PMST program of the Italian Space Agency (ASI)

STALIO, R., F. SVELTO, C. BONIFAZI, E. D'AVERSA, S. DI PIPPO, C. MUSSO, S. ZOFFOLI, L. SALOTTI, G. F. BIGNAMI, "Technological spin-offs of the PMST program of the Italian Space Agency (ASI)" in 2002 IEEE Aerospace Conference, March 9-16, 2002, Big Sky, Montana, United States of America

The space gamma-ray observatory AGILE

MORSELLI, A., G. BARBIELLINI, G. BUDINI, P. CARAVEO, V. COCCO, E. COSTA, G. DI COCCO, C. LABANTI, F. LONGO, S. MEREGHETTI, A. PELLIZZONI, F. PEROTTI, P. PICOZZA, M. PREST, M. TAVANI, S. VERCELLONE, "The space gamma-ray observatory AGILE" in Proceedings of the 26th International Cosmic Ray Conference. - August 17-25, 2000, Salt Lake City, Utah, United States of America

Low Cost and Rapid Technology Assessment on the ISS: the ESA Technology Exposure Facility

ACETI, R., P. PUTZ, G. VISENTIN, S. DI PIPPO, G. HIRZINGER, "Low Cost and Rapid Technology Assessment on the ISS: the ESA Technology Exposure Facility" in 49th International Astronautical Congress (Paper IAF-98-J.5.05) – 28 September – 2 October, 1998, Melbourne, Australia

Payload Tutor (PAT): a relocatable Payload Robot for ISS Internal Automation System

DI PIPPO, S., R. MUGNUOLO, F. BRACCIAFERRI, W. B. WILLIAMS, G. VISENTIN, G. COLOMBINA, E. POZZI, "Payload Tutor (PAT): a relocatable Payload Robot for ISS Internal Automation System" in Proceedings of the Second European Symposium on the Utilization of the International Space Station - November, 16-18, 1998, Noordwijk, Netherlands (The)

ROSETTA Lander In Situ Characterization of a Comet Nucleus

WITTMANN, K., B. FEUERBACHER, S. ULAMEC, H. ROSENBAUER, J. P. BIBRING, D. MOURA, R. MUGNUOLO, S. DI PIPPO, K. SZEGO, G. HAERENDEL, "ROSETTA Lander In Situ Characterization of a Comet Nucleus" in 3rd IAA International Conference on Low-Cost Planetary Missions – 27 April–1 May, 1998, Pasadena, United States of America

The ASI "Science Small Missions" Program

DI PIPPO, S., "The ASI "Science Small Missions" Program" in 4th International Symposium on Small Satellites, Systems and Services – 14-18 September, 1998, Antibes, France

ASI Space Automation and Robotics programs

DI PIPPO, S., "ASI Space Automation and Robotics programs" in Applied Mechanics in the Americas, Vol. 4, pp. 466-469 - Proceedings Fifth Pan American Congress on Applied Mechanics (PACAM V), January 2-4, 1997, San Juan, Puerto Rico, United States of America

Italian Space Agency Views and Perspectives

RUM, G., S. DI PIPPO, "Italian Space Agency Views and Perspectives" in Proceedings of the International Workshop on Innovations for Competitiveness, 19-21 March, 1997, Noordwijk, Netherlands (The)

JERICO: a dextrous robot system for exposed payload manipulation on a space station

DI PIPPO, S., D. TORFS, G. COLOMBINA, F. DIDOT, P. PUTZ, S. LOSITO, "JERICO: a dextrous robot system for exposed payload manipulation on a space station" in Proceedings of the International Symposium on Artificial Intelligence, Robotics and Automation in Space (i- SAIRAS '97), 14-16 July, 1997, Tokyo, Japan

The SPIDER manipulation system (SMS)

MUGNUOLO, R., S. DI PIPPO, P. G. MAGNANI, E. RE, "The SPIDER manipulation system (SMS)" in Proceedings of the International Symposium on Artificial Intelligence, Robotics and Automation in Space (i- SAIRAS '97), 14-16 July, 1997, Tokyo, Japan

Autonomous Robotic Payload Servicing on MIR: the JERICO project

DIDOT, S., J. DETTMANN, R. ACETI, S. DI PIPPO, "Autonomous Robotic Payload Servicing on MIR: the JERICO project" in Proceedings of the 4th ESA workshop on Advanced Space Technologies for Robot Applications "ASTRA '96", November 6-7, 1996, Noordwijk, Netherlands (The)

Robotics for the International Space Station

DI PIPPO, S., G. COLOMBINA, "Robotics for the International Space Station" in Proceedings of the 4th ESA workshop on Advanced Space Technologies for Robot Applications "ASTRA '96", November 6-7, 1996, Noordwijk, Netherlands (The)

A sensor testing Laboratory for Space Robotics: a distributed approach to future European A/R Programs

DI PIPPO, S., ET AL., "A sensor testing Laboratory for Space Robotics: a distributed approach to future European A/R Programs" in Proceedings of the 3rd ESA workshop on Advanced Space Technologies for Robot Applications "ASTRA 94", 27-28 April, 1994, Noordwijk, Netherlands (The)

ASI's Space Automation and Robotics Programs: the second step

DI PIPPO, S., "ASI's Space Automation and Robotics Programs: the second step" in Proceedings of the 3rd International Symposium on Artificial Intelligence, Robotics and Automation for Space (i-SAIRAS '94), October 18-20, 1994, Pasadena, United States of America

New perspectives for the SPIDER project

DI PIPPO, S., I. BARRACO, "New perspectives for the SPIDER project" in Proceedings of the IARP (International Advanced Robotics Programme) second workshop of Robotics in Space, July 6-8, 1994, Montreal, Canada

Planetary stations and Abyssal Benthic Laboratories: an Overview of Parallel Approaches for Long-Term Investigation in Extreme Environments

DI PIPPO, S., W. PRENDIN, F. GASPARONI, "Planetary stations and Abyssal Benthic Laboratories: an Overview of Parallel Approaches for Long-Term Investigation in Extreme Environments" in Proceedings of the 3rd International Symposium on Artificial Intelligence, Robotics and Automation for Space (i-SAIRAS '94), October 18-20, 1994, Pasadena, United States of America

SPIDER manipulation system: design and development

DI PIPPO, S., ET AL., "SPIDER manipulation system: design and development" in Proceedings of the Artificial Intelligence, Robotics and Automation in Space symposium, September, 1992, Toulouse, France

The strategic role of Automation and Robotics for Columbus Utilization

DI PIPPO, S., "The strategic role of Automation and Robotics for Columbus Utilization" in Proceedings of the European "International Space Year" Conference, 30 March-4 April, 1992, Munich, Germany

ASI's Space Automation & Robotics Programs

DI PIPPO, S., "ASI's Space Automation & Robotics Programs" in Proceedings of the IARP (International Advanced Robotics Programme) first workshop on Robotics in Space, 17-18 June, 1991, Pisa, Italy

ASI's Space Programs

DI PIPPO, S., "ASI's Space Programs" in Proceedings of the International Symposium on Artificial Intelligence, Robotics and Automation in Space, 18-20 November, 1990, Kobe, Japan

Telerobotics: a key area for possible technology transfer from underwater to space

PRENDIN, W., A. TERRIBILE, S. DI PIPPO, "Telerobotics: a key area for possible technology transfer from underwater to space" in Proceedings of the Space & Sea Colloquium, 24- 26 September, 1990, Paris, France

Information management in an integrated space tele robot

DI PIPPO, S., G. PASQUARIELLO, G. LABINI SYLOS, "Information management in an integrated space tele robot" in NASA Conference on Space Telerobotics (Vol. 4 p. 157-166), January 31-February 2, 1989, Pasadena, United States of America

The SPIDER robotic system

DI PIPPO, S., P. G. MAGNANI, W. PRENDIN, A. TERRIBILE, "The SPIDER robotic system" in Second European In-orbit operations Technology Symposium, 12-14 September, 1989, Toulouse, France

The use of SPIDER in conjunction with TSS

DI PIPPO, S., M. GROSSI, E. LORENZINI, "The use of SPIDER in conjunction with TSS" in 3rd Tethers in Space/ Toward Flight International Conference, May 17-19, 1989, San Francisco, CA, United States of America

Il Telerilevamento in Italia. Programmi ed attività dell'Agencia Spaziale Italiana

DI PIPPO, S., ET AL., "Il Telerilevamento in Italia. Programmi ed attività dell'Agenzia Spaziale Italiana" in Second AIT (National Remote Sensing Association) National Congress, 9-11 November, 1988, Bolzano, Italy

Space Inspection Device for Extravehicular Repairs: SPIDER system

DI PIPPO, S., G. SYLOS LABINI, "Space Inspection Device for Extravehicular Repairs: SPIDER system" in 39th Congress of the International Astronautical Federation (Paper IAF-88-029), 8-15 October, 1988, Bangalore, India

Research Reports

Space for Net Zero - Global Future Council on Space, White Paper

ASGHAR, A., C. CHRISTENSEN, S. DI PIPPO, A. HOLLA-MAINI, A. MOHSEN AL HUSSEINI, A. MACDONALD, M. ONODA, E. STOFAN - "Space for Net Zero - Global Future Council on Space, White Paper" - 2021, World Economic Forum

Research in Space. Facilities on the International Space Station

MARCOTTE, B., S. DI PIPPO, K. MORIMOTO, W. GERSTENMAIER, A. KRASNOV - "Research in Space. Facilities on the International Space Station" - 2009, ISS International Partners, NP-2009- 08-604-HQ

Research Notes or short Articles in Journals

Space technology and the implementation of the 2030 agenda

DI PIPPO, S., "Space technology and the implementation of the 2030 agenda", UN Chronicle, 2019, vol. 55, no. 4, pp. 61-63

A new step for European space transportation

DI PIPPO, S., "A new step for European space transportation", ESA Bulletin, 2011, vol. 145, pp. 22-23

Celebrating the accomplishment, preparing the future

DI PIPPO, S., "Celebrating the accomplishment, preparing the future", ESA Bulletin, 2008, vol. 135, pp. 10-17

The Aurora program – Europe's frame work for space exploration

MESSINA, P., B. GARDINI, D. SACOTTE, S. DI PIPPO, "The Aurora program – Europe's frame work for space exploration", ESA Bulletin, 2006, vol. 126, pp. 10-15

Interview Articles

Space provides the required magnitude of perspectives. It unites us towards common goals

DI PIPPO, S., "Space provides the required magnitude of perspectives. It unites us towards common goals", Journal of International Affairs, 2018, vol. 71, no. 2, pp. 116-120