Adriano V. Autino, bio & publications

Adriano V. Autino	
	Space philosopher and small entrepreneur, Adriano Vittorio Autino is co-founder and former president (2008 – 2021), now President Emeritus, of Space Renaissance International (SRI). As a not for profit cultural association, SRI promotes the expansion of civilization into outer space. Besides a long career in software, industrial automation and systems engineering, he devotes his main effort to the development and further enhancement of the space renaissance philosophy (Space Humanism). Adriano got his diploma in Industrial Electronics in 1969, studied Computer Science at University in Torino, and during the 1970's served as software engineer at Honeywell Information Systems Italia. In the 1980's, he served as project manager at Sysdata CAP Gemini. During the 90's Adriano was a freelance software consultant. In 2000 he founded Andromeda s.r.l., dealing with industrial automation and systems engineering. He took part in several space projects, e.g. the real time control and monitoring of the Plasma Wind Tunnel Scirocco (CIRA, Capua, Italy). He is author of an integrated suite of software tools for project lifecycle management (STEPS), based on an essential methodology, compliant with the main system engineering quality standards. Also active in industrial automation, continuous process control and robotics for automotive. Engaged in social activities since 1970's, in 1990's Adriano began his philosophical reflection on the subject of human expansion beyond the frontiers of our world, giving birth to the web magazine Technologies of the Frontier (https://tdf.it), publishing articles and papers, mainly on the subject of Astronautics, collaborating with many space activists world-wide. In 2008 he initiated the Space Renaissance Initiative, and in 2010 the Space Renaissance International (https://spacerenaissance.space/) was incorporated, as a not for profit non-governmental association. He personally organized and managed four world congresses Space Renaissance International, 2011, 2016, 2021 (https://2021.spacerenaissance.space/),2026(https://2026.spacerenaissance.space/).

Professional history (in brief)

In 1984 Adriano Autino joined Sysdata Cap Gemini, where he served as a project leader and then project manager for industrial automation projects; main projects: Waters treatment system, with Philips Eindhoven (NL) for the Municipality of Berna (CH); Control and monitoring system for a research optical fibres production machine for Pirelli FOS (Italy); Software for control and supervision of the experimental nuclear fusion central "TOKAMAK" for Gavazzi, ENEA (Frascati - Italy); Batching system for a biscuit factory for Philips, Buehler, Nabisco-Saiwa (Alessandria - Italy); Control and supervision system for an Oil refinery marine terminal for Philips S.&.I.,

Snamprogetti , Adnoc RUWAIS (United Arab Emirates); Automated assembling of freezers and refrigerators system for Philips S.&.I., DKK (Niederschmiedeberg - ex D.D.R.); Weighing system for a gasoil coast deposit for Philips S.&.I., Agip-Liquipibigas (Livorno - Italy); Automated system for Tanneries of Gatovo (Minsk - Belarus) and Riazan (Russia) for Cogolo, Sojuznestroyimport; Automated system for Tannery of Voznesensk (Ukraine), Promotan, Sojuznestroyimport; Steel Mill Oven Control System for Philips S&I (Monza – Italy).
Since 1992 to 1999, as a freelance consultant, he participated in several projects in the aerospace and defense industries, working on system integration and system engineering, as well as software engineering. Main projects:

PWT AIS Dynamic Real Time Simulator, PWT AIS (Plasma Wind Tunnel Automation and Instrumentation System) – Supervision of the Commissioning, System Integration, System Testing and Integrated Testing for LABEN / ESA - Vimodrone Milano, Italy; Tornado Aircraft Flight Simulator, reverse design from TI980 (‘70 years machine) to DEC Alpha station for METEOR (Alenia – Finmeccanica) - Ronchi dei Legionari (GO); Analytical

Marketing Study for Technology Transfer, Technical competences analysis and processing versus new market segments for LABEN (Alenia -Finmeccanica) - Vimodrone Milano, Italy; MMI level 2 system for metallurgical plant integration, for CEDA, SIDOR - Venezuela.

He started Andromeda s.r.l. in 2000, and there he worked on systems engineering for industrial and infrastructural automation projects such as tunnels, highways, railways, bridges, for industries such as oil & gas, energy, automotive, and textiles. Over time, he developed the PTESY (now STEPS) suite of tools for project life cycle management based on his own experience. In addition to being

an expert in systems engineering and project lifecycle management, Adriano also brings to the table his extensive background in project management, system integration/test engineering, and reverse engineering. He is an author of several books on best practices in the engineering domain. He also lectures about systems engineering and project management. Adriano held classes of project management during ‘90s, and on systems engineering and space renaissance philosophies since 2000 and onward. Andromeda s.r.l. developed several projects and supplied high-profile personnel:

Navy: INTERMARINE RODRIQUEZ - Sarzana, Italy - Project Life Cycle Engineering for the project of three ships for the Finnish Navy. Aerospace: OERLIKON CONTRAVES ITALIA - Rome, Italy, Project & Test Engineering System, for the quality management of defense systems; IACSA - FI, Italy - Development of a workshop on "Commercial Astronautics and Space Tourism", a proposal to Space and non-Space Entrepreneurs; EADS-LV - Bordeaux, France - ESA TRP Structural Design of Advanced Solar Array; THE OURS FOUNDATION - CH - Study for Orbital Inflatable Rings Demonstrator; EADS-LV - Bordeaux, France - Comparative trade-off on different rigidization processes for inflatable space structures.

Robotics and automation: SMYTH, Casale Monferrato, Italy - Automation Software for books sewing machines; SAINT-GOBAIN EMBALLAGE Vauxrot, France, GLAXO SMITH KLINE Coleford, UK - Software Maintenance on Palletizer Robotic Lines; DAIMLER/CHRYSLER - COMAU - Bremen, Sindelfingen, DE, FIAT - COMAU - Tychy, Poland - Automation Software for Robotic Welding Industrial Lines; SCHNEIDER / TECHINT - PHA LAI (Vietnam) - THERMAL POWER PLANT COAL HANDLING PLANT Supervision of the commissioning; S. AGATA / NEUMAG OERLIKON - Camden, South Carolina (US), Xiaoshan Hangzhou, China, Sonzhou, China - Carding Plants commissioning and startup; LANIFICIO F.LLI CERRUTI, BI, Italy - Project & Test Engineering System, for the quality management of internal software systems development.
Methodology software: GALILEO AVIONICA-NICE, Italy - Design and development of a Corporate CMMi Metrics System.

Infrastructures: STE Engineering - Rome, Italy - Preliminary conceptual design and systems design for the Integrated Safety System of the Bridge over the Strait of Messina; GEMMO IMPIANTI / STE Engineering - Rome, Italy - Preliminary conceptual design and systems design for the Integrated Safety System of the Gran Sasso Highway Tunnel; GEMMO IMPIANTI - Venice, Italy - Definitive project of the 33 kms highway bypass of Mestre, full automation, supervision, all the special systems; MI, Italy - Feasibility study and pre-design of four tunnels on the Ljubljana-Maribor highway, integrated automation and supervision, all the special systems; Hungary - Feasibility study and pre-design of the Urban Subway of Budapest, automation and supervision of the electric systems; Mestre, VE, Italy - Supervision and Telecontrol Real-Time System of the Fire-Fighting plant of the Mestre West Ring; SCHNEIDER ELECTRIC / PSA /
SOGI-PIZZAROTTI / ANAS BOLZANO. - NATURNO BZ, Italy - Tunnel Automation and Supervision Real Time System; MI, Italy - Feasibility Study and Pre-Design of a 30 km. highway segment, including six double barrel-vault tunnels, and all the technologic systems; GEMMO / ALSTOM. - AO, Italy - MONTE BIANCO TUNNEL - Test engineering, supervision of the field test activities; ALSTOM - MONTE BIANCO TUNNEL Training of the Tunnel Automation and Control System Operators; SITAF - TURIN-FREJUS HIGHWAY - Supervision and monitoring system enhancement engineering and supervision; Milano, Italy - Milano SubRailway Feasibility Study.
Telecommunication: PIRELLI LABS, MI, Italy - Multilaser Amplifier for optical fibre transmission. Project Quality Coordination and Management; SIT / ALCATEL - Milano, Italy - HDSL FRONT-END SYSTEM Design and

development of embedded software to control the transmission on the HDSL line, on both sides (provider and user); SIT / PIRELLI SUBMARINE - Sesto S.G., Italy - SUBMARINE OPTICAL FIBRE CABLES TRANSMISSION CONTROL, DIGITAL SIGNAL PROCESSING High Power Laser Control firmware systems design and development.

Scholar of the space age philosophy

Since late 1980, Adriano has developed a critical reflection about the growth of our civilization in a closed system. In opposition to the nascent green movement, he analyzed the incoming economic, cultural, and environmental crisis as a growth crisis, and rejected the psychotic paradigm that sees man as a virus of Earth. Consequently, he began to develop his new humanistic theory, having its main guideline in the crossing of the world boundaries, first of all the space frontier. After several attempts to found a paper magazine, in 1997 he decided to create a web magazine, called Technologies of the Frontier. During the late 90's and early 2000's, several space philosophers and activists joined the editorial staff: Michael Martin Smith (UK), Marco C. Bernasconi (CH), Patrick Collins (UK/Japan), and others. The magazine publishes several excellent articles and papers on the themes of space tourism, astronautic humanism, and ethics. At the same time, Adriano took part in the IAF congresses: 1997, in Torino; 1998, in Melbourne; 2001, in Toulouse and, later, presenting several papers in the space and society symposium (see the papers list, hereafter). Technologies of the Frontier, together with SpaceFuture (the web journal managed by Patrick Collins and Peter Wainwright), held two conventions: in 2006 "The global importance of the incoming Space Economy", at the medieval castle of Moncrivello, in Italy, and in 2008 "A new renaissance: colonizing the Moon and the Near Earth Asteroids!", in Belgirate, Lago Maggiore in Italy. During the convention, the seed of the Space Renaissance was sown by Adriano and Patrick. At the end of 2008, the Space Renaissance Initiative website was created and began to call space enthusiasts worldwide to join their efforts, with the goal of speaking louder, and reaching public opinion. The guidelines were, from the very beginning: human expansion into space as the sole alternative to the global crisis, great value of the big number of human intelligences vs. the bureaucratic vision of "mouths to feed" (Simon vs. Malthus). In 2010, the Space Renaissance International was founded. SRI has held four World Congresses so far: the 1st in 2011, the 2nd in 2016. The 3rd one, which ended in July 2021, was a virtual 5-day conference. Prof. Bernard Foing was elected as President; 70 speakers presented papers. The Final Resolution, approved at the end, includes 12 goals for Civilian Space Development, to be promoted towards 2025. https://2021.spacerenaissance.space/wp-content/uploads/2021/07/Final-Resolution-Final-approved.pdf

The 4th World Congress, "Quality of Life, on Earth and Beyond", was held from June 30th to July 4th, 2026. Its Final Resolution sets the SRI priorities for the next five years, among them an international ban on space weapons, the Space 18th Sustainable Development Goal, and the first permanent lunar villages. Since 2024, SRI has taken part in the work of the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS), where it is now a Permanent Observer; Adriano gave technical presentations at the COPUOS Scientific and Technical Subcommittee in February 2025 and February 2026.

Since the 4th World Congress (July 2026), Adriano Autino serves SRI as Founder and President Emeritus, Vice-President, Director of Culture and Civilizational Futures and Treasurer; he is also Strategy Director of the Space Renaissance Academy, Space Renaissance Ambassador, webmaster and social media manager.

Adriano wrote several books, on the topics of space humanism, quality and systems engineering.

Some of the papers and books authored or co-authored by A. V. Autino:

Papers

- Adriano V. Autino, Alberto Cavallo, et Al SRIC4 Thesis 1 - Status of civilization and quality of life Thesis 1 of the SRI 4th World Congress 2026 July 2026
- Adriano V. Autino, et Al The next Land of Freedom is in Free Space paper presented at SRI 4th World Congress 2026 July 2026
- Adriano V. Autino, Alberto Cavallo "Is Universe a Dark Forest?" paper presented at SRI 4th World Congress 2026 July 2026

- Adriano V. Autino Living in free-space habitats: a choice of freedom! technical presentation at the UN COPUOS Scientific and Technical Subcommittee, 63rd session, Vienna February 2026
- Adriano V. Autino, et Al The UN Space 2030 Agenda – a critical review by Space Renaissance International, paper presented at IAC76 2025, Sydney October 2025
- Adriano V. Autino 3xE: Energy, Economy, Environment technical presentation at the UN COPUOS Scientific and Technical Subcommittee, 62nd session, Vienna February 2025
- Adriano V. Autino, Alfred Anzaldua, Amalie Sinclair, Bernard Foing, Marie-Luise Heuser, Frank White, Werner Grandl Space 4 All, Space 4 Peace, a Space 18th SDG for the 2030 U.N. Agenda
  paper presented at IAC 75 2024, Milan October 2024
- Werner Grandl, Adriano V. Autino Industrializing the Earth-Moon System – the role of space mining and material processing for human civilization on Earth and in space
  paper presented at IAC 75 2024, Milan October 2024
- Adriano V. Autino, Alberto Cavallo, Amalie Sinclair, Bernard Foing, Dennis O'Brien, Ghanim Alotaibi, Jerry Stone, Marie-Luise Heuser, Thomas Matula, Werner Grandl A SRI position paper on the key critical issues before 2030
  A necessary mid-term actualization, 2 years after the 3rd SRI World Congress February 2024
- Adriano V. Autino, Alfred Anzaldúa, Bernard Foing Orbital Debris: a great business opportunity
  Paper presented at IAC74, Baku October 2023
- Werner Grandl, Clemens Böck, Adriano V. Autino Artificial Gravity Orbital Station (AGOS)-the simulation of gravity in a rotating space station
  Paper presented at IAC74, Baku October 2023
- Adriano V. Autino, et Al Why the Civilian Space Development shall kick-off now September 2022
- Adriano V. Autino, et Al Space Renaissance Academy - the Space Renaissance Ambassadors Programme September 2022
- Adriano V. Autino, et Al The Value of Human Patrimony: a 100% Inclusive Vision September 2022
- Adriano V. Autino, et Al Global expansion vs. space exploration, a full change of paradigm October 26th 2021
- Adriano V. Autino, et Al Why space exploration will be soon unsustainable, without a serious civilian space settlement programme October 25th 2021
- Adriano V. Autino, et Al From space exploration, to suborbital space tourism, to living and working in space: evolution of the mission requirements October 25th 2021
- Adriano V. Autino, Amalie Sinclair, Alberto Cavallo, Kevin Myrick, Corrinne Graham, Manuel Perez, Susan Jewell, Jim Crisafulli, Joe Pelton, Jerry Stone, Jonathan Tate, Walt Putnam Congress Thesis 1 – Status of civilization and perspective of expansion into outer space June 26th 2021
- Adriano V. Autino, et Al A Gas Strategy for Space Settlement May 30th 2021
- Adriano V. Autino Congress Thesis 2 – A strategy to develop the Space Renaissance, towards 2025 May 27th 2021
- Adriano V. Autino, et Al Profitable industrial activities to be developed in Earth Orbit May 11th 2021
- Adriano V. Autino, on Global Risk Reduction (American Mensa) Expand or Die July 2020
- Adriano V. Autino, Stefano Ferretti, Luigina Feretti, Alfredo Roma, Stefano Antonetti Building in Space: first steps in civil expansion beyond Earth September 18th 2018
- Adriano V. Autino, A. Sinclair, SRI Board "A Position Paper on Civilian Space Development and Space Technology" December 17th 2016
- Enrico Dini, Adriano V. Autino D-Shape Strategy Position Paper for Space Expansion Horizon 2030-2050, paper submitted to ESPI Call 2016 March 2016
- Adriano V. Autino "The expansion of Civilization beyond Earth is a moral issue" – by Adriano V. Autino – also published on the Journal of Space Philosophy (vol. #3 Fall 2013) October 2013
- Adriano V. Autino "Facing the 21st Century's Civilization Challenges by the Tools of Astronautic Humanism" – also published on the Journal of Space Philosophy October 2012

- Adriano V. Autino, P. Collins, C. Radley, F. Hsu, S. Moss, G. Russo, M. Dudziak, A. Kotarsky, R. Wright, B. Agravat, T. Heenatigala, A. Woods "Space Renaissance, a Plan for Moon/Earth/Lagrange Region Industrialization" October 2009
- Adriano V. Autino, et Al "THE SPACE RENAISSANCE MANIFESTO" August 29th 2009
- Adriano V. Autino - The Solar System: a living organism, 2009
- Adriano V. Autino - "Founding a New Renaissance - toward a Space Renaissance Academy (paper presented at the 2nd International Convention of Technologies of the Frontier – Belgirate 2008)
- P. Collins & A. Autino "What the Growth of a Space Tourism Industry Could Contribute to Employment, Economic Growth, Environmental Protection, Education, Culture and World Peace" May 25th 2008, Arcachon, Bordeaux, France.
- Adriano V. Autino "The Fifth Season – the Space 'Bingo' Surprises: very profitable and not obvious Gifts of Space" – IAC-05-E1.P.03 (paper presented at IAF 56th congress, Fukuoka 2005) October 17th 2005
- Adriano V. Autino - A needed change of paradigm in the space systems project processes and methodologies, (paper presented at 56th International Astronautical Congress 2005 Fukuoka - Japan)
- Adriano V. Autino - The value of human life, or: Technology as a promoter of moral evolution, 2005
- Adriano V. Autino - An essential Project & Test Engineering Methodology - (paper presented at IAF 54th Congress, Bremen 29/09 - 03/10 2003)
- Adriano V. Autino "The Copernican Evidence – Requirements for a Space Age Philosophy"(paper presented at the 53rd IAF Congress- Houston, October 2002) October 2002
- Adriano V. Autino The Methodology of Questionnaires to Develop a Worldwide Space Education Plan paper presented at IAC 52 2001, Toulouse October 2001
- Adriano V. Autino New credit tools and tax concepts for the opening of the space frontier Paper presented at IAC 51 2000, Rio de Janeiro October 2000
- Adriano V. Autino - A Plan for the Mercantile Astronautics (paper presented at the International Symposium on Space Travel Bremen, Germany, April 21 - 23, 1999)
- Adriano V. Autino, et Al Concepts for a World Space Program based in the Society Paper presented at IAC 49, Melbourne, Australia October 1998
- Adriano V. Autino, Marco C. Bernasconi, Daniel Christlein, M. Martin-Smith, Arthur Woods, Stephen Ashworth "The Greater Earth Manifesto – Concepts for a New Humanistic vision of the World" May 30th 1998
- Adriano V. Autino - Il metodo del Reiterative System Life Cycle per la Maturità dei Processi di Progettazione (Italian language)

Books

- Adriano V. Autino, et Al – "Quality of Life, on Earth and beyond – Space Renaissance International 4th World Congress complete Acta" (book, 2026)
- Adriano V. Autino – "2030: the Eye of the Needle" (book, 2026)
- Adriano V. Autino – "Earth is not Sick, She's Pregnant!" (book, 2026, English edition of "La Terra non è malata: è incinta!")
- Adriano V. Autino, et Al – A SRI position paper on the key critical issues toward 2030 (book, 2024)
- Adriano V. Autino, et Al – "The Civilian Space Development – Space Renaissance International 3rd World Congress complete Acta" (book, 2021)
- Adriano V. Autino – "A greater world is possible!" https://www.amazon.it/greater-world-possible-expansion-civilization/dp/1727889924 (book, 2017)
- Adriano V. Autino - Un mondo più grande è possibile! L'espansione della civiltà nello spazio è la questione morale del nostro tempo (book, 2017, Italian language)
- Adriano V. Autino, P. Collins, A. Cavallo - Three Theses for the Space Renaissance (book, 2011)
- Adriano V. Autino - La Terra non è malata: è incinta! (book, Italian language, 2008)
- Adriano V. Autino - Il Marketing Funzionale (book, Italian language, 2006)

- Adriano V. Autino - Dalla Qualità alla Maturità (book, Italian language, 2005)

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