

Curriculum Vitae	
Informatii personale	
Nume / Prenume	PISO Marius-loan
Adresa	
Telefon	00 40 21 3168722
Mobile:	00 40 722 360123
Fax	00 40 21 3128804
E-mail	marius.piso@rosa.ro
Nationalitate	Romana
Data nasterei	
Gen	Masculin
Experienta profesionala	
Perioada	2004 – present
Functia sau postul ocupat	Presedinte si Director Executiv
Activitati si responsabilitati principale	Presedintele Consiliului de Administratie Management executive general al organizatiei Reprezentant persoana juridica Managementul programelor si proiectelor de cercetare - dezvoltare Reprezentare nationala la nivel inalt
Numele si adresa angajatorului	Agentia Spatiala Romana (ROSA)
Tipul activitatii si sectorul de activitate	Cercetare & Dezvoltare
Perioada	2011 - present
Functia sau postul ocupat	Director al Programului de Cercetare, Dezvoltare și Inovare STAR – Tehnologie Spațială și Cercetare Avansata (Space Technology and Advanced Research)
Activitati si responsabilitati principale	Managementul proiectelor nationale coerente cu cele ale Agentiei Spatiale Europene (ESA)
Numele si adresa angajatorului	Agentia Spatiala Romana (ROSA)
Tipul activitatii si sectorul de activitate	Cercetare & Dezvoltare
Perioada	2002-2006
Functia sau postul ocupat	Director al Programelor Nationale din domeniul Spatial, Aerospatial si Securitate

Activitati si responsabilitati principale	Management al Programelor Nationale din domeniul Spatial, Aerospatial si Securitate incluse in Planul National pentru CDI
Numele si adresa angajatorului	Agentia Spatiala Romana (ROSA)
Tipul activitatii si sectorul de activitate	Cercetare & Dezvoltare
Perioada	1995-2004
Functia sau postul ocupat	Director executiv
Activitati si responsabilitati principale	Management executive al organizatiei Reprezentant persoana juridica Managementul programelor si proiectelor de CDI Reprezentare la nivel inalt Dezvoltarea activitatilor directe CDI
Numele si adresa angajatorului	Agentia Spatiala Romana (ROSA)
Tipul activitatii si sectorul de activitate	Cercetare & Dezvoltare
Perioada	1988 – 1999
Functia sau postul ocupat	Consilier ministerial
Activitati si responsabilitati principale	Consilier al Ministrului Cercetarii si Tehnologiei pentru Programe si organizare interinstituitionala
Numele si adresa angajatorului	Ministerul Cercetarii si Tehnologiei
Tipul activitatii si sectorul de activitate	Cercetare si Dezvoltare
Perioada	1988- p
Functia sau postul ocupat	Sef Laborator si Profesor Cercetator
Activitati si responsabilitati principale	Managementul unui grup de cercetare, activitati directe de CDI, reprezentare internationala
Numele si adresa angajatorului	Institutul de Stiinte Spatiale
Tipul activitatii si sectorul de activitate	Cercetare si Dezvoltare
Perioada	1982 – 1998
Functia sau postul ocupat	Cercetator stiintific
Activitati si responsabilitati principale	Seful Diviziei de Senzori inertiali din 1988 Activitati de cercetare si dezvoltare tehnologica
Numele si adresa angajatorului	Institutul pentru Inginerie Electrica Bucuresti
Tipul activitatii si sectorul de activitate	Cercetare si Dezvoltare
Educație și formare	

Perioada	1998-1999							
Calificarea / diploma obtinuta	Absolvent							
Disciplinele principale studiate / competențe profesionale dobândite	Securitate nationala si globala, managementul dezastrelor, management la nivel inalt							
Numele și tipul instituției de învățământ / furnizorului de formare	Coleiul National de Aparare, Bucuresti, Romania							
Perioada	1999							
Calificarea / diploma obtinuta	Cercetator gradul 1							
Disciplinele principale studiate / competențe profesionale dobândite	Profesor Cercetator							
Numele și tipul instituției de învățământ / furnizorului de formare	Institutul de Fizica Atomica, Bucuresti							
Perioada	1990-1994							
Calificarea / diploma obtinuta	Doctor in Fizica							
Disciplinele principale studiate / competențe profesionale dobândite	Fizica teoretica si astrofizica							
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea "Al.I. Cuza" Iasi							
Perioada	1977-1982							
Calificarea / diploma obtinuta	Diploma in Fizica							
Disciplinele principale studiate / competențe profesionale dobândite	Fizica nucleara si astrofizica							
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea "Babes-Bolyai" Cluj							
Competente si abilitati personale	Congruente si sinergice cu activitatile principale							
Limba materna	Romana							
Limbi straine cunoscute Autoevaluare	Intelegerere			Vorbire			Scriere	
Nivel european (*)	Ascultare		Citire		Participare la conversatie		Discurs orar	
Engleza	C2	Avansat	C2	Avansat	C2	Avansat	C2	Avansat
Franceza	B2	Independent	B2	Independent	B2	Independent	B2	Independent
Germana	A2	Elementar	A2	Elementar	A2	Elementar	A2	Elementar
(*) Common European Framework of Reference for Languages								

Competente si abilitati organizationale	Manager al echipei de cercetare incepand cu 1984 de la management elementar pana la director de organizatie in 1999. Experienta de 15 ani in management la nivel inalt. Experienta de 18 ani in management de program. Management efficient dovedit pe termen lung si foarte lung.
Competente si abilitati tehnice	Doctor in Fizica, Profesor Cercetator, membru in conducerea organizatiilor internationale importante, 20 brevete, mai mult de 100 de articole
Competente si aptitudini de utilizare a calculatorului	Experienta din 1978 in toate sistemele majore de operare. Experienta in calcul algebraic din 1988. Utilizare MATLAB si MATHCAD.
Permis de conducere	Categoria B

Lista de lucrari si activitatea profesionala

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1. Lista de lucrari, brevete si specializari

1.1. Teza de doctorat

Contributii la studiul structurilor de spatiu-timp cu aplicatii in teori de camp, Universitatea Al.I. Cuza Iasi, Facultatea de Fizica, 1994

1.2. Dizertatie

Contributii asupra tehniciilor spatiale pentru securitatea regionala si globala, Colegiul national de Aparare, Bucuresti, 1999

1.3. Lucrare de diploma

Radiatia gravitationala, Universitatea Babes-Bolyai, Facultatea de Fizica, 1982

1.4. Brevete

1. M.I. Piso, Gradiometru gravitational static si dinamic, Brevet RO 115672 (2000)
2. M.I. Piso, C. Lascu, G. Pintilescu, Accelerometru ferofluidic triaxial, Brevet RO 115571 (2000)
3. M.I. Piso, S. Mamulea, Sensor de miscare pentru conditii de gravitatie redusa (microgravitatie) , Brevet RO 115570 (2000)
4. M.I. Piso, Camelia Bostina, Giometru fluidic, Brevet RO 115565 (2000)
5. M.I. Piso, Gabriela Pintilescu, Gabriela Tutos, Dispozitiv de transfer termodinamic controlat, Brevet RO 115423 (2000)
6. A.M. Nechifor, G. Nechifor, G. Pintilescu, M.I. Piso, E.G. Tutos, Separator cu membrana lichida, Brevet RO 110407 (2000)
7. A.M. Nechifor, G. Tutos, M.I. Piso, Membrana magnetofluidica activa, Brevet RO 115135 (1999).
8. M.I. Piso, G. Kraft, D. Iancu, Dispozitiv de scanare optica, Brevet RO 103678 (1993)
9. M.I. Piso, G. Kraft, Detector de vibratii, Brevet RO 104301 (1993)
10. M.I. Piso, G. Kraft, D. Iancu, Dispozitiv de baleaj optic, Brevet RO 103789 (1993)
11. M.I. Piso, G. Kraft, Geofon vertical, Brevet RO 103411 (1993)
12. M.I. Piso et al., Lagar magnetofluidic activ, Brevet RO 102539 (1993).
13. M.I. Piso, Accelerometru uniaxial cu lichid magnetic, Brevet RO 100632 (1992)
14. M.I. Piso, Traductor de acceleratie biaxial, Brevet RO 99036 (1992)
15. M.I. Piso, G. Kraft, C. Radulescu, Limitator de vibratii, Brevet RO 101561 (1991)
16. M.I. Piso, Accelerometru biaxial, Brevet RO 98569 (1990)
17. M.I. Piso, Traductor de acceleratie uniaxial, Brevet RO 98568 (1990)
18. M.I. Piso, H.Minti, Limitator de c.c. si c.a., Brevet RO 99816 (1988)
19. M.I. Piso, H.Minti, A.Aciu, Limitator de vibratii, Brevet RO 96583 (1986)
20. M.I. Piso, Traductor de acceleratii statice si dinamice, Brevet RO 86751 (1985)

1.5. Articole in reviste cotate bibliografic (ISI)

1. M Mogildea, G Mogildea, A Leca, D Apostol, V Ghenescu, M Piso, Imagistic and spectral observation of the hidden objects with terahertz radiation, J Optoelectron Adv M, 2011 vol. 13 (1-2) pp. 94-97

2. Ronald C Merrell, Alice Lee, S Yunkap Kwankam, Beatrice Mwape, Collins Chinyama, Rifat Latifi, Marius-Ioan Piso, Florin Serban, Satellite applications for telehealth in the developing world. *J Telemed Telecare*. 2006;12 (6):321-4 17022843 (P,S,G,E,B)
3. Nicholas IONESCU-PALLAS, Ion SIMACIU, Marius-Ioan PISO, Search For A Solution Of Seeliger's Gravitational Paradox In The Framework Of General Relativity Theory, The Publishing House Proceedings Of The Romanian Academy, Series A, Volume 6, Number 2/2005, pp. 000-000
4. Water Loss From The Biological Structure As The Main Effect Of The Low Magnetic Environment, Dobrota Cristina, Yamashita Masamichi, Piso Marius, Craciun Constantin, Keul Anca, International Journal of Astrobiology, Supplement, 2004: DOI: 10.1017/S14735500404001648
5. M. I. Piso and L. Vékás, Magnetic fluid composites and tools for microgravity experiments, *Journal of Magnetism and Magnetic Materials*, Volume 201, Issues 1-3, Pages 410-412 (July 1999) ISSN 03048853, North-Holland
6. M. I. Piso, Applications of magnetic fluids for inertial sensors, *Journal of Magnetism and Magnetic Materials*, Volume 201, Issues 1-3, Pages 380-384 (July 1999) ISSN 03048853, North-Holland
7. M. I. Piso and L. Vékás, Composite magnetofluidic media in microgravity, *Advances in Space Research*, Volume 22, Issue 8, Pages 1237-1240 (1998) ISSN 02731177, Pergamon,
8. M. I. Piso, Induced internal rotation in magnetic fluid composites, *Advances in Space Research*, Volume 22, Issue 8, Pages 1265-1266 (1998) ISSN 02731177, Pergamon
9. D. Andreeescu, M. I. Piso and M. Nita, Postgraduate training for space science and technology education, *Advances in Space Research*, Volume 20, Issue 7, Pages 1375-1378 (1997) ISSN 02731177, Pergamon
10. C. Oprisiu, M. I. Piso and D. D. Prunariu, Small aircraft as a tool for space applications education, *Advances in Space Research*, Volume 20, Issue 7, Pages 1361-1364 (1997) ISSN 02731177, Pergamon
11. M.I. Piso, Magnetic Fluid Accelerometers, *Rom. Reports in Physics* 4-5 (1995)
12. L. Vékás, M.I. Piso, Romanian Magnetic Fluids Bibliography, *Rom. Reports in Physics* 4-5 (1995)
13. M.I. Piso, V. Dobrotescu, S. Mamulea, S. Slatculescu, Magnetic liquid based devices for gravitational experiments, *Ann. Univ. Timisoara XXX*, 57 (1994)
14. S. Onofrei, M.I. Piso, A model of a static star on a 2+1 dimensional background, *Rom. Astron. J.* Vol. 4, 1, 23 (1994), index SAO/NASA ADS
15. N. Ionescu-Pallas, M.I. Piso, S. Sainar, Solar System test for the existence of gravitational waves, *Rom. Astron. J.*, Vol 4, 1, 75 (1994), index SAO/NASA ADS
16. M.I. Piso, Relativistic action over discrete paths in Euclidean spaces, *Nuovo Cimento* 108 B, no.11, 1307 (1993)
17. M.I. Piso, M.A. Sârbu, Magnetofluidic material as an active medium for acoustical sensors, *Jour. Phys.*, Tome 51, C2, 903 (1990)
18. M.I. Piso, O. Cristea, Highly Excited Atoms in Gravitational Fields, *Rev. Roum. Phys.* 29, 7, 625 (1984)

1.6. Lucrari in serii de volume internationale cu referenti

1. M.I. Piso, A. Racheru, I. Simion, Space programme in Romania - Sharing between national and international activities, *International Astronautical Congress 2008 IAC-08- E3.1.10*, Sep 2008
2. M. Balan, M.I. Piso, A.M. Stoica, C.G. Dragasau, M. Trusculescu, C.M. Dumitru, Goliat space mission: Earth Observation and Near Earth Environment Monitoring Using Nanosatellites, *International Astronautical Congress 2008, IAC-08- B4.6.A13*, Sep 2008
3. European Security Research and Innovation in Suport of European Security Policies, (in grupul celor 63 de autori), intermediate report , Office for official Publications of the European Communities, Sep 2008, ISBN 978-92-79-09774-4
4. L. Cotora, M.I. Piso, La modelisation du capital immateriel et sa valorisation sur le marche de l'entreprise, *Echanges* 250, 74 (2008)
5. Cucu-Dumitrescu, C.; Piso, M.-I., Formation Flying through Geodesic Motion and the Different Geometrical Requirements, in Emerging and Future Technologies for Space-Based Operations Support to NATO Military Operations, *NATO-RTO-MP-RTB-SPSM-001* (2007)
6. Hermann Oberth's Scientific Activity In Romania, D.D. Prunariu, M.I. Piso, H. Barth, I. Stroe, G.V. Manciu, 54th International Astronautical Congress of the International Astronautical Federation, the International Academy of Astronautics, and the International Institute of Space Law, (2004) *IAC-03-IAA.2.1.04*
7. Stability Of Polygonal Space Structures, I. Stroe, D.D. Prunariu, M.I. Piso, G.V. Manciu, 54th International Astronautical Congress of the International Astronautical Federation, the International Academy of Astronautics, and the International Institute of Space Law, (2004) *IAC-03-A.6.09*

8. Space: a new European frontier for an expanding Union An action plan for implementing the European Space policy, (in grupul de mai mult de 100 de contributori), ESA si UE, Brussels, 11 November 2003, COM(2003) 673
9. Dynamics of Large Object Removal Systems. Stroe, D. D. Prunariu, M. I. Piso, G. V. Manciu. In European Space Agency (ed.), Proc. Third European Conference on Space Debris, ESA SP-473, p. 713. ESA Publications Division, 2001, ISBN 92-9092-739-X, ISSN 0379-6566.
10. On the behaviour of Complex Magnetizable Fluid Media in Microgravity Conditions. L. Vekas, M. I. Piso, D. Bica, I. Potencz. In European Space Agency (ed.), Microgravity Research and Applications in Physical Sciences and Biotechnology, SP-454, p. 183. ESA Publications Division, 2000, ISBN 92-9092-657-0.
11. Andrei M, Constantinescu M, Tutos G, Pintescu G, Piso MI, Smarandache D. 1998 [1999] Morpho-structural alterations in Echinodorus amazonicus determined by magnetofluidic media. Acta Hort. Bot. Bucharest 27. 25-28
12. MI Piso, DD Prunariu, Network of Space Science and Technology Capacity Building Institutions in Central Eastern and South-Eastern Europe, in Science and Technology Management: Proceedings of the NATO Advanced Research Workshop on Science ...By Alexandru T. Balaban, Eustratios N. Carabateas, Florin T. Tanasescu, Published by IOS Press, 1998, ISBN 9051993722, 9789051993721
13. M.I. Piso, Network of Research and Education in Space Science and Technology for Central, Eastern and South Eastern Europe (invited lecture), ESA Colloquium on Legal Aspects of Cooperation with Central and Eastern European Countries, Prague (1997), Published by Kluwer (1998)

1.7. *Lucrari prezentate – volume de proceedings ale conferintelor internationale*

1. Dana Petcu, Dorian Gorgan, Marius-Ioan Piso, Catalin Nae, Grid and Earth Science Education, , 21st International CODATA Conference, Ukraine, Kyiv, 5 - 8 October, 2008
2. M.I. Piso, A. Badea, I. Nedelcu, F. Serban, Romanian Contributions to GMES and European EO infrastructure, ESA-EUSC 2008: Image Information Mining: pursuing automation of geospatial intelligence for environment and security, ESRIN, Frascati (Italy), March 4-6, 2008 (Conference contributions will be published by ESA as Workshop Proceedings)
3. Inge Gavat, Daniela Faur, Marius I. Piso, Florin Serban, Mihai Datcu, Knowledge Based Image Information Mining System -KIM used for flooding and other risk assessments, PV 2007 International Conference, executed October 9-11, 2007 at DLR, Oberpfaffenhofen/Munich, Germany.
4. M-I. Piso, United Nations/International Astronautical Federation Workshop on the Use of Space Technology for Sustainable Development Towards Food Security, PSA/07/06, 21-23 September 2007, Hyderabad, India
5. Piso, M.I.; Badea, A.; Fernandez, K.; Gonzalez, G.; Duclos-Gendre, E.; Badea, R.; Mihai, R., SPOT Image General Presentation, SPOT Day, Bucuresti, 16 aprilie 2007
6. Dobrota, C.; Piso, M. I.; Keul, A., Does inhibition of poly(ADP-ribose) polymerase prevent energy overconsumption under microgravity?, 36th COSPAR Scientific Assembly. Held 16 - 23 July 2006, in Beijing, China, vol. 36 pp. 3000, 2006cosp...36.3000D, index SAO/NASA ADS
7. Dobrota, C.; Piso, M. I.; Banciu, H.; Keul, A., Microgravity effects on Arabidopsis thaliana energy pool, 36th COSPAR Scientific Assembly. Held 16 - 23 July 2006, in Beijing, China. 2006 vol. 36 pp. 2963, 2006cosp...36.2963D, index SAO/NASA ADS
8. Pop, Virgiliu, Piso, Marius-Ioan, The role of the Romanian Space Agency in the Management of Natural Disasters, as a possible model for small Asian countries, Conference on Space Law and Space Applications for Disaster Management in The Asia Pacific Region, Chiangmai, Thailand, November 22, 2006
9. Dobrota, C.; Piso, I. M.; Bathory, D., Shorter Life Span of Microorganisms and Plants as a Consequence of Shielded Magnetic Environment, 35th COSPAR Scientific Assembly. Held 18 - 25 July 2004, in Paris, France., p.4247, 2004cosp...35.4247D, index SAO/NASA ADS
10. Stroe, I.; Prunariu, D. D.; Piso, M. I.; Manciu, G. V., Applications of weight functions method in stability study of the spacecrafs, 35th COSPAR Scientific Assembly. Held 18 - 25 July 2004, in Paris, France., p.719, 2004cosp...35..719S, index SAO/NASA ADS
11. M.I. Piso, Space Tools for a Better Life, United Nations / ESA Workshop on Space Technology for Disaster Management, May 2003, Poiana Brasov
12. Risk and Traffic Monitoring of the Danube Basin, Marius I. Piso, in Security : Services and Benefits from GMES, European Space Agency (ESA) - Eurisy Conference, Matera, January 2003
13. Stroe, I, Prunariu, D D, Piso, M I, Manciu, G V, Studies about spacecraft attitude control, IAF, International Astronautical Congress, 51st, Rio de Janeiro, Brazil; 2-6 Oct. 2000. 2000 p229

14. M.I. Piso, Information Exchange in Education and Research in Space Sciences and Technology through a Network Approach, Proceedings of the UNISPACE III Regional Preparatory Conference for Eastern Europe, Bucharest, 1999, published by the United Nations and ROSA (1999) p239
15. Stroe, I, Prunariu, D D, Piso, M I, Attitude control by the change of bodies relative position, IAF, International Astronautical Congress, 50th, Amsterdam, Netherlands; 4-8 Oct. 1999. 1999, index SAO/NASA ADS
16. S. Onofrei, M.I. Piso, Functorial approach to 2+1 simplicial quantum gravity, The 15th Winter School "Geometry and Physics", Srni, Czechia (1995)
17. M.I. Piso, S. Onofrei, Simplicial Relativistic Lagrangeian in N+1 Dimensions, The 15th Winter School "Geometry and Physics", Srni, Czechia (1995)
18. S. Onofrei, M.I. Piso, Static stars in 2+1 dimensional simplicial gravity, The 14th Winter School "Geometry and Physics", Srni, Czechia (1994)
19. M.I. Piso, Silvia Onofrei, Simplicial Relativistic Lagrangeian in (N+1) Dimensions, Marcel Grossmann 7 Proceedings (1994)
20. M.I. Piso, Static Stars on a (2+1) Dimensional Simplicial Manifold, Marcel Grossmann 7 Proceedings (1994)
21. N. Ionescu-Pallas, M.I. Piso, S. Sainar, Indirect evidence for the existence of gravitational waves, Proceedings of the 8th Russian Gravitational Association Conference, 1:47,ed. RGA, Moscow (1993)
22. M.I. Piso, S. Sainar, Field theory on discrete space-time, Proceedings of the 8th Russian Gravitational Association Conference, 3:191,ed. RGA, Moscow (1993)
23. M.I. Piso, S. Sainar, Relativistic kinematics on discrete space-time, Proceedings of the 8th Russian Gravitational Association Conference, 3:192,ed. RGA, Moscow (1993)
24. M.I. Piso, S. Mamulea, Composite magnetofluidic inertial sensor, Proceedings of the EUROSENSORS VII Conference, 239-1 (1993)
25. A.M. Nechifor, M.I. Piso, G. Nechifor, E. Totu, G. Pintilescu, Ferrofluid membranes for electrochemical sensors, Proceedings of the EUROSENSORS VII Conference, 4391-1 (1993)
26. M.I. Piso, C. Bostina, S. Mamulea, Low frequency fluidic vibration attenuators, Proceedings of the FASE'93 International Congress, 141 (1993)
27. Ana-Maria Nechifor, G. Nechifor, M. Piso and I. Mânzatu, Supported liquid membranes with magnetic properties, The 12th IUPAC Conference on Chemical Thermodynamics, 223, Snowbird (1992)
28. M.I. Piso, Silvia Sainar, Regge calculus and lattice strings, Proc. of the 13th Int. Conf. on General Relativity and Gravitation, A3, Cordoba (1992)
29. M.I. Piso, V. Dobrotescu, S. Mamulea, S. Slatculescu, Magnetic liquid based devices for gravitational experiments, Proc. of the 13th Int. Conf. on general Relativity and Gravitation, C2, Cordoba (1992)
30. M.I. Piso, V. Dobrotescu, S. Slatculescu, S. Mamulea, Magnetic liquid accelerometers, Proc. of the 6th EUROSENSORS Conference, C05, San Sebastian (1992)
31. M.I. Piso, Magnetofluidic System as an Active Medium for Sensors, in Proceedings of the SENSOR'88 International Congress, Nuernberg (1988)
32. M.I. Piso, A. Aciu, Soft Controlled Magnetofluidic 3-Axis Accelerometer, in Proceedings of the SENSOR'88 International Congress, Nuernberg (1988)
33. M.I. Piso, A. Aciu, Soft Controlled 2-Axis Accelerometer, in Proc. of the Eurosensors 3rd Conference on Sensors and Their Applications, Euroworkshop III, Cambridge (1987)
34. M.I. Piso, Isotropic Discrete Space-Time Structure, Short Range 1/R2 Experiments>, in Cont. Papers of the 11th Int. Conf. on General Relativity and Gravitation, 10.46, Stockholm (1986)
35. M.I. Piso et al., Short Range 1/R2 Experiments, in Cont. Papers of the 11th Int. Conf. on General Relativity and Gravitation, 19.15, Stockholm (1986)
36. M.I. Piso, A. Aciu, H. Minti, Statical and Dynamical Acceleration Transducer in Proc. of the 2nd Int. Conf. on Sensors and their Applications", Southampton (1985)
37. O. Cristea, A. Aciu, M.I. Piso, Biogravitational Sensors - An Approach to Detect Gravitational Fields with Single Cells, in Proc. of the 2nd Int. Conf. on Sensors and their Applications", Southampton (1985)
38. M.I. Piso et al., Gravitational Gradient Sensors, Proc. of the 2nd Int. Conf. on Sensors and their Applications", Southampton (1985)
39. M. Piso, Highly Excited Atoms in Gravitational Field, General Relativity and Gravitation, Vol. 1, Classical Relativity. Proceedings of the 10th International Conference on General Relativity and Gravitation, held July 4-9, 1983, in Padova, Italy. Edited by B. Bertotti, F. de Felice and A. Pascolini. Published by Consiglio Nazionale delle Ricerche, Rome, 1983, p. 1006, index SAO/NASA ADS

40. M.I. Piso, Discrete Space-Time Structure, General Relativity and Gravitation, Vol. 1, Classical Relativity. Proceedings of the 10th International Conference on General Relativity and Gravitation, held July 4-9, 1983, in Padova, Italy. Edited by B. Bertotti, F. de Felice and A. Pascolini. Published by Consiglio Nazionale delle Ricerche, Rome, 1983, p. 115, index SAO/NASA ADS
41. M.I. Piso, Terrestrial Sources of Gravitational Radiation, in General Relativity and Gravitation, Vol. 1, Classical Relativity. Proceedings of the 10th International Conference on General Relativity and Gravitation, held July 4-9, 1983, in Padova, Italy. Edited by B. Bertotti, F. de Felice and A. Pascolini. Published by Consiglio Nazionale delle Ricerche, Rome, 1983, p. 925, index SAO/NASA ADS

1.8. *Publicatii electronice*

1. Nicholas Ionescu-Pallas, Marius I. Piso, Silvia Onofrei, Solar System test for the existence of gravitational waves, General Relativity and Quantum Cosmology, Los Alamos National Laboratory e-print, gr-qc/0301033 (2003), xxx.lanl.gov/abs/gr-qc/0301033, index SAO/NASA ADS
2. N. Ionescu-Pallas, M.I. Piso, Surface Action for a Point Particle, physics/9712010 (1997).
3. M.I. Piso, Simplicial Euclidean Relativistic Lagrangian, General Relativity and Quantum Cosmology, Los Alamos National Laboratory e-print, gr-qc 9407015 (cross hep-th), xxx.lanl.gov/abs/gr-qc/9407015 (1994), index SAO/NASA ADS
4. N. Ionescu-Pallas, M.I. Piso, S. Onofrei, Linear Bimetric Gravitation Theory, General Relativity and Quantum Cosmology, Los Alamos National Laboratory e-print, gr-qc 9407017, xxx.lanl.gov/abs/gr-qc/9407017 (1994), index SAO/NASA ADS

1.9. *Preprinturi internationale (citate SLAC-SPIRES, Stanford)*

1. M.I. Piso, Two dimensional simplicial paths, ICTP Preprint, serial no. IC/94/207 (1994), Miramare
2. M.I. Piso, Silvia Sainar, Simplicial paths. An approach to a relativistic discrete space-time structure, UTFT preprint no. 11 (1993)
3. N. Ionescu-Pallas, M.I. Piso, S. Sainar, A new test for the existence of gravitational waves, UTFT preprint no. 7 (1993)
4. Silvia Sainar, M.I. Piso, Review on the 2+1 dimensional gravity, UTFT preprint no. 10 (1993)
5. M.I. Piso, S. Sainar, Relativistic action on euclidean discrete space-time, UTFT preprint no. 10 (1992)

1.10. *Capitole in carti*

1. M.I. Piso, Strings si Superstrings, capitolul V în vol. Gravitația (referenți Caius Iacob și D. Mangeron), 121, Grafix (1991)
2. M.I. Piso, Rotationally invariant S-T structure, in Studies in Gravitation Theory (ed. J. Gottlieb and N.J. Pallas), 43, CIP Press (1988)
3. M.I. Piso et al., Short Range Inverse Square Experiment. Progress Report, in Studies in Gravitation Theory (ed. J. Gottlieb and N.J. Pallas), 183, CIP Press (1988)

1.11. *Lucrari in proceedings nationale*

Mai mult de 50 comunicări (selectate)

1. M.I. Piso, Relativistic action on a rotationally invariant space-time lattice, in Proceedings of the I-st and II-nd Conferences on General Relativity and Gravitation, Bistrita, 1991-1992, 246, Ed. Crescendo, Iasi
2. M.I. Piso, S. Sainar, Mathematical aspects of Regge calculus, in Proceedings of the I-st and II-nd Conferences on General Relativity and Gravitation, Bistrita, 1991-1992, 256, Ed. Crescendo, Iasi
3. M.I. Piso, S. Sainar, Numerical path-integral on a space-time lattice, Proceedings of the I-st and II-nd Conferences on General Relativity and Gravitation, Bistrita, 1991-1992, 265, Ed. Crescendo, Iasi
4. M.I. Piso, L. Vekas, M. Balasoiu, G. Pintilescu, Mediu magnetofluidic activ pentru senzori, MHH3, vol. VI "Lichide magnetice", 79, 1990

5. M. Piso et al., Aplicatii ale lichidelor magnetice în sistemele de navigatie inertiala, MHH3, vol. VI "Lichide magnetice", 87, 1990
6. M.I. Piso, A. Aciu, H. Minti, L. Popovici, System for the Absolute Calibration of Accelerometers, in Proceedings of the INCEMADS'86 International Conference, ICPE (1986)
7. M.I. Piso, A. Aciu, 10-7 g Sensitivity Biaxial Accelerometer, in Proceedings of the INCEMADS'86 International Conference , Tipografia ICPE (1986)
8. M. Piso, H. Minti, A. Aciu, L. Popovici, Limitator de vibratii cu fluid magnetic, MHH2, vol. VII "Fluidele magnetice si aplicatiile lor", 159, 1985
9. M. Piso, L. Vekas et al., Traductoare de acceleratie si vibratii cu lichid magnetic, MHH2, vol. VII "Fluidele magnetice si aplicatiile lor", 155, 1985
10. M.I. Piso, Pulsars and Gravitational Radiation, in "Physics and Connected Fields", ed. Univ. "Babes-Bolyai" Cluj-Napoca (1983)
11. M.I. Piso, Efecte electromagnetice ale radiatiei gravitationale în apropierea unei surse cu ciclicitate rapida, Progrese în fizica, VII, 542, Bucuresti (1982)
12. M.I. Piso, Evenimente terestre generatoare de radiatie gravitationala II, Progrese în fizica, VII, 540, Bucuresti (1982)
13. M.I. Piso, Asupra posibilitatii detectarii undelor gravitationale emise în timpul unui cutremur, Progrese în fizica, XI 71, ICEFIZ (1981)

1.12. *Calificare de produse*

1. Stand pentru calibrarea absoluta a traductoarelor de vibratie prin interferometrie cu laser SCAT-01, omologare prototip, ICPE-MIET, 1985
2. Traductor piezoelectric cu adaptor de impedanta TPA2-09, omologare lot prototip, ICPE-MIET-INM-IGS, 1988
3. Limitator de vibratii G-332, omologare lot prototip, ICPE-MIET-IVB-IGS, 1989
4. Accelerometru cu adaptor G-333, omologare lot prototip IP54, ICPE-MIET-IPGG-IGS, 1989
5. Masini de echilibrare dinamica ME-1P în variantele ME1P-MA, ME1P-DV si ME1P-RV, omologare prototip, ICPE-MIET-I.A.P.-IGS, 1989

1.13. *Burse pe termen scurt*

- 2nd Int. Conf. On Sensors and their Applications", Southampton, 1985;
- ICTP Trieste, Summer School on Cosmology and High Energy Physics, 1987 (2 saptamani)
- The 8th Russian Gravitational Association Conference, Moscow, 1993
- ICTP Trieste, Summer School on Cosmology and High Energy Physics, 1994 (4 saptamani)
- RGA Summer School on Gravitation and Cosmology, Odessa, 1995
- COSPAR General Assembly, Birmingham, 1996
- United Nations Workshop on Space and Industry, Graz, 1997
- NASA-United Nations Workshop on Space Spin-offs, Tampa, Florida, 1998

2. Activitatea internațională

2.1. *Coordonare programe internaționale*

Program for European Cooperating States – European Space Agency, program care contine proiectele cu ESA ale Cehiei, Poloniei, României și Ungariei, președintele ales al Comitetului de program al ESA (2008 - 2010)

PECS – RO – Programul de participare a României la ESA în perioada 2007-2011. Directorul programului. În prezent, 12 proiecte în domeniile explorării spațiale și observării Terrei (total 2011 - 9.565.000 euro)..

International Academy of Astronautics – coordonare Study Group SPACE SYSTEMS AS CRITICAL INFRASTRUCTURE (2007-p)

2.2. *Coordonare și participare la proiecte internaționale*

Programele ESA

RO-KEO - Romanian Centered Knowledge Earth Observation, proiect cu Agenția Spațială Europeană programul Living Planet prin PECS-RO pentru 2008-2010. Director de proiect.

Programele – cadrul ale UE

SEREN – Security Research Network – proiect în FP7 SECURITY RESEARCH 2008-2011. Participant.

SAFER – Services and Applications for Emergency Response – proiect în FP7 SPACE 2008-2011. Participant.

GEOLAND2 – Towards an Operational GMES Land Monitoring Core – proiect în FP7 SPACE 2008-2011. Participant.

START - Stimulate Aerospace Research and Technology in Associated Candidate Countries – proiect în FP6-2003-ACC-SSA-Aero-Space. Participant.

AirTN – Air transport Net - proiect în FP6-2005-Aero-Space. Participant.

Alte proiecte și acorduri relevante

- Agreement between CNES – the French Space Agency and ROSA for cooperation within the space mission COROT (coordonator)
- Agreement between CNES – the French Space Agency and ROSA for cooperation within the project ADAM (2000) (coordonator)
- Agreement between University of Maryland – Centre for East-West Studies and the Romanian Space Agency, 2001 (coordonator)
- Letter of Agreement between the National Administration for Space and Aeronautics (NASA) and the Government of Romania (2000) (coordonator executiv)
- Agreement between Cambridge University - Dept. of Applied Mathematics and Theoretical Physics (Marea Britanie) and the Gravitational Researches Laboratory - Institute of Gravitation and Space Sciences, 1996 (executant)
- Agreement between Kansas State University - Dept. of Mathematics (SUA) and the Gravitational Researches Laboratory - Institute of Gravitation and Space Sciences, 1995 (executant)
- Agreement between the Russian Gravitational Association - Theoretical Department of NPO "ELTEST" and the Gravitational Researches Laboratory - Institute of Gravitation and Space Sciences, 1992-1997 (executant)

2.3. Membru in comitete internationale

International Academy of Astronautics (IAA) – Member of the Board of Trustees (2007-2009)
Membru in Comitetul editorial Springer pentru publicatii din seria NATO (2007)
ESRIF – European Security Research and Innovation Advisory Board (2007 – p)
EANA – European Astrobiology Network Association – membru in Consiliu (2003 – p)
EURISY – member of the Board (2003-2007)
FIEOS – First Intelligent Earth Observation Satellites – SUA - membru in Board (2003)
NATO RTO Space Science and Technology Advisory Group (2005 – 2007)
NATO RTO Formation Flying in a networked Environment (2007 –p)

2.4. Membru in organizatii internationale

International Academy of Astronautics, membru corespondent (2004), membru definitiv (2007), membru in Board of trustees si Comitetul financiar (2007-2009)
European Academy of Sciences and Arts, membru (2005)
IEEE (Institute of Electrical and Electronics Engineers), member (2000), American Mathematical Society, member (1998),
EUROSCIENCE, member (2001 -)
COSPAR, membru in subcomisiile C, D si E (1994 -)
Rotary International – District 2241

2.5. Reprezentantul Romaniei in organizatii si comitete internationale

European Space Agency – reprezentant national 1998 – p, membru in grupul pentru relatiile cu ESA (1995-1998), semnatarul Acordului ECS si al Acordului de implementare. Reprezentant in comitetul PECS. Reprezentant in Consiliul ESA (2011)
NATO Science for Peace and Security, reprezentant national (2004 – p_)
United Nations Committee on the Peaceful Uses of Outer Space (COPUOS), delegat si seful delegatiei Romaniei (1994 – prezent)
COSPAR – Committee on Space Research – secretarul national (1994 -)
European Commission – FP6 AEROSPACE Programme Committee (2002-2007)
European Commission – FP7 SPACE Programme Committee (2007-)
European Commission – FP7 SECURITY RESEARCH Programme Committee (2007-)
EU GMES Advisory Council– GAC - reprezentant (2006-)
EU GNSS Supervisory Authority – reprezentant adjunct (2006 -)
GEO Principal – reprezentantul national (2007 -)
High Level Space Policy Group ESA – EU (2008)

3. Activitate nationala

3.1. Coordonare programe nationale

- Programul National de CD-I SECURITATE – aprobat prin HG 2080/2004 pentru 2005–2006. Directorul programului. 82 proiecte, 117 de organizatii participante, 450 de specialisti.
- Programul National de CD-I AEROSPATIAL – aprobat prin HG 556/2001 pentru 2001-2006. Directorul programului. 171 proiecte, 121 de organizatii participante, 680 de specialisti.
- Programul National de CD-I Cercetare de Excelenta – domeniul Spatiu si Securitate , perioada 2005-2007. Directorul programului. 27 de proiecte.

Alte programe coordonate: Programul national ORIZONT2000 – domeniul Aeronautica si Spatiu (secretar si vicepresedinte al Comisiei de specialitate 1993-2001). Programul national Cercetari in gravitatie cu aplicatii in geofizica si tehnici inertiale si de vibratii – perioada 1987-2001 (responsabil program).

3.2. Coordonare proiecte nationale

Se mentioneaza proiecte coordonate in ultimii cinci ani.

- COMPOSAT - Componente calificate pentru nanosateliți, contract 82-084, PNCDI2 Parteneriate (2008-2011), director proiect
- PLURIBUS - Sistem de nanosateliți în zbor în formăție stransă conectați în rețea, contract 81-013, PNCDI2 Parteneriate (2007-2010), director proiect
- SPASEC - Îmbunătățirea activităților naționale de cercetare în domeniul Spațiu și Securitate în vederea obținerii unui statut de actor cheie în domeniu pe plan european și internațional, PN II : 8. Spațiu și securitate – proiect : Suport – PS –CDI, director proiect.
- GOLIAT - Misiunea Spatială a unui microsatelit cu scopuri științifice și de explorare - program CEEX modulul 3 (2006-2008), director proiect
- MARKS - Sistem de coordonare a activitatilor spatiale prin proceduri de cercetare avansata - program CEEX modulul 3 (2006-2008), director proiect
- INSPAM - Infrastructura de date spatiale pentru aplicatii de protectia mediului –program CEEX modulul 3 (2005-2007), director proiect

Am coordonat si am participat la mai mult de 110 proiecte si teme de cercetare in perioada 1982 si pana in prezent.

3.3. Organizare de manifestari internationale relevante

- GEO-V Plenary, Bucharest (2008, 17-21 noiembrie) – presedintele LOC. (400 participanti reprezentant 75 de state membre si 60 de organizatii internaționale)
- New EU Member States and the Security Research, ROSA/CE/Aerospace and Defense Industries Asociation of Europe), presedinte CO, Bucharest, 23-24 nov. 2006
- Emerging and Future Technologies for Space Based Support to NATO Military Operations, RTO/ROSA/USAFAF, first specialist Conference, membru CO, Bucuresti, Sep 2006
- Conference: The Danube and Europe: Target for Integrated Space Applications, Eurisy/ESA/UN/ROSA, membru CO, Constantza, 23-25 June 2004

- United Nations/Romania Regional Workshop on the Use of Space Technology for Disaster Management for Europe, director LOC, 19-23 May 2003, Poiana-Brasov, Romania
- UNISPACE III Preparatory Conference for Eastern Europe, 1999, Bucuresti. National Coordinator, una dintre cele patru conferinte continentale la nivel inalt.

3.4. *Membru in comitete nationale*

Consiliul National pentru Acreditare, Titluri si Diplome Universitare, membru (2006 – p)

Colegiul Consultativ pentru Cercetare-Dezvoltare si Inovare, membru (1998 – 2002), membru al Comisiei Aeronautica si Spatiu (1993 – 2001 si 2007 - prezent)

Grupul Interministerial pentru Cercetarea in Domeniul Securitatii (HG 1574/2004), presedinte executiv.

3.5. *Membru in organizatii nationale*

Fundatia Nationala de Aparare (2001 -)

Societatea Romana de Gravitatie si Relativitate Generala, membru fondator (1991), vicepresedinte (1994-1997)

Rotary Club Bucuresti (1996), presedinte (2005-2006)

4. Distinctii si premii

2008

1. Conferirea prin Decretul nr. 201/2008 d-lui Marius-Ioan Piso a Ordinului National "Serviciul Credincios" in grad de Ofiter
2. Premiul II al ANCS pentru domeniul Spatiu si Securitate pentru proiectul BANG- Capacitate, aplicatii specifice si infrastructura GNSS - Galileo - program CEEX modulul 3 (2006-2008), participant proiect
3. Premiul III al ANCS pentru domeniul Spatiu si Securitate pentru proiectul TITOS - Tehnici, tehnologii si ontologii pentru portaluri si de date si servicii de date spatiale - program CEEX modulul 3 (2006-2008), participant proiect

2007

4. Premiul I al ANCS pentru proiecte de cercetare fundamentala, pentru proiectul GOLIAT - Misiunea Spatiala a unui microsatelit cu scopuri stiintifice si de explorare - program CEEX modulul 3 (2006-2008), director proiect

2003

5. Conferirea prin Decretul nr. 751/2003 d-lui Marius-Ioan Piso a Ordinului National "Serviciul Credincios", in grad de Cavaler, pentru contributii semnificative din domeniul stiintific de inalta tehnologie si cercetare aerospaciala, fiind unul dintre initiatiorii infiintarii Agentiei Spatiale Romane, precum si pentru rolul avut in promovarea internationala a intereselor Romaniei in acest domeniu