



## Informatii personale

Prenume / Nume **Mihai Victor Pricop**

## Experienta

Compania, Perioada	Functia	Activitatea
Aerostar SA, Bacau 2000-2002	Engineer	<ul style="list-style-type: none"> <li>- Reparația capitală a motoarelor cu turbină pentru avioane militare, service R-13-300 (Mig-21)</li> <li>- Dezvoltarea parțială a tehnologiei de reparație capitală a motorului AŞ-62 (AN-2)</li> <li>- Documentație tehnologică, atribuții administrative</li> </ul>
INCAS 2002-2018	Cercetator Științific CS III	<ul style="list-style-type: none"> <li>- dezvoltare unelte Computational Fluid Dynamics (CFD)</li> <li>- studii CFD</li> </ul>
	<b>Șef department Fizica Curgerii</b>	<p><b>Aerodinamica vitezelor mici</b></p> <ul style="list-style-type: none"> <li>- Modelarea numerică a curgerilor</li> <li>- Emiterea de cerințe pentru modelele de tunel aerodinamic subsonic, proiectarea, instrumentarea, integrarea, experimentarea și postprocesarea rezultatelor</li> </ul>
	<b>Manager proiecte ESA</b>	<ul style="list-style-type: none"> <li>- Proiectarea turbinelor eoliene cu ax orizontal</li> <li>- Experimentarea sistemelor de hipersustentație cu suflaj impulsiv</li> <li>- Geometria aeronavelor prin scripting (CATIA) – Aerotaxi și altele</li> <li>- Optimizare profile aerodinamice algoritmi evolutivi</li> </ul> <p><b>Aerodinamica vitezelor mari</b></p> <ul style="list-style-type: none"> <li>- Modelarea numerică a curgerilor</li> <li>- Aerodinamică hipersonică cu metode de tip impact-Newton cu efecte vâscoase, flux de căldură</li> <li>- Proiectarea actuatorilor cu jet sintetic</li> <li>- Analiza experimentală a fenomenului de buffet</li> <li>- Experimentarea configurațiilor canonice și industriale pentru aplicații spațiale: corpuri boante autoportante (<i>lifting bodies</i>), rampa undă de șoc oblică, glide back booster pentru un microlansator</li> <li>- Management proiect realizare machete de tunel de dimensiuni foarte mari (LOSPA)</li> <li>- Proiectarea preliminară a unui avion de luptă foarte ușor, de supercroazieră</li> <li>- Optimizarea campaniilor de aerodinamică experimentală în tunele aerodinamice</li> </ul> <p><b>Mecanica structurală</b></p> <ul style="list-style-type: none"> <li>- Cod element finit pentru optimizare topologică cu elemente de bara articulate și incastrate – OPTRUSS – primul asemenea cod scris în România</li> <li>- Analiza multidisciplinară dinamică FEM cu solverul LS-Dyna</li> </ul> <p><b>Proiecte spațiale</b></p> <ul style="list-style-type: none"> <li>- Management și ofertare</li> <li>- Dinamica reintrării balistice cu 3 grade de libertate</li> <li>- Metode semianalitice în analiza aero-termodinamică</li> <li>- Proiectarea preliminară a unui microlansator modular, baza pe glide back booster</li> </ul> <p><b>Managementul proiectelor</b></p> <ul style="list-style-type: none"> <li>- Conducerea formală și informală a proiectelor, în paralel cu contribuții tehnice</li> <li>- Aerodinamică experimentală pentru vehicule spațiale</li> <li>- Realizarea modelelor pentru calificarea mecanică și a unor componente de spațiu</li> </ul>

**Educație și competențe**

Perioada	1994-1999	2000-2001	2006-prezent, 2013-prezent
Diploma obținută	Ing. Dipl.	Studii avansate (Master)	Student la doctorat
	Facultatea de Inginerie Aerospațială, Sisteme de propulsie		Inginerie aerospațială și management, Optimizare structural
	Univ. "Politehnica" Bucharest, Faculty of Aerospace Engineering		Academia Tehnică Militară, București plus Universitatea Transilvania din Brașov
	MSc		

**Aptitudini și competențe personale**

Dezvoltarea codurilor de Computational Fluid Dynamics în serial și paralel, managementul proiectelor, analize și studii CFD, analize multidisciplinare dinamice Ansys LS-Dyna, analiza structurală cu Ansys, geometria aeronavelor prin scripting (CATIA), aerodinamica experimentală cu toate activitățile în cadrul tunelelor subsonic și trisonic, optimizarea structurilor din bare cu codul propriu Optruss.

Limba maternă **Română**

Alte limbi

Autoapreciere

Nivelul

Limba

Limba

Înțeles				Vorbit				Scris	
Ascultat		Citit		Vorbit interactiv		Discurs			
ENG	Foarte bine	ENG	Foarte bine	ENG	Foarte bine	ENG	Foarte bine	ENG	Foarte bine
DEU	Incepator	DEU	Incepator	GEU	Incepator	DEU	Incepator	DEU	Incepator

(\*) Common European Framework of Reference for Languages

Aptitudini sociale și altele

Interacțiune bună cu colegii

Aptitudini de organizare

-Manager de proiecte spațiu sub ESA  
 -Sef compartiment simulare numerică (2010 - 2016)  
 -Sef departament Fizica Curenților (2016 - prezent)  
 -Responsabil de activități numerice și de aerodinamică experimentală

Aptitudini tehnice

Proiectarea CAD a unor componente de machete de tunel aerodinamic, instrumentarea pentru măsurarea presiunii, manufacturarea unor elemente compozite, din lemn, etc.

Aptitudini computaționale

Programarea orientată obiect și structurată în Fortran 90/95, pentru CFD, Visual Basic și Visual Basic Scripting în CATIA și Excel, calcul general în Matlab, Octave sub Win, Linux și macOS

Alte aptitudini

**Aeromodelism** după Federation Aeronautique International - FAI  
 - Un titlu de campion național la acrobația în sală (F3P), de două ori vicecampion  
 - practicant F3A – acrobație aeriană  
 - practicant F3J – planoare de duranță și precizie la aterizare  
**Rachetomodelism** după Federation Aeronautique International – FAI  
 - clasa S8E/P rachetoplan radiocomandat de duranță și precizie la aterizare  
 - șase titluri de campion național, două titluri de vicecampion național  
 Participant la 3 campionate mondiale, 2 campionate europene și mai mult de 10 etape de cupă mondială, câștigător a trei etape de cupă mondială

Implicarea în proiectele de cercetare

- Participat la peste 18 proiecte internaționale în cadrul CE și ESA  
 - Participat la peste 100 ședințe de proiecte internaționale (execuție și ofertare) în perioada 2007-2018.  
 - Participat la peste 15 proiecte naționale.

Nr	Proiect	Pozitie	Durata		Tip		Descriere
			inceput	sfarsit	activitate	rezultat	
1	INCAE - Aerospacial	Research Assistant	2004	2004	Full Time		Acoustic Design, advanced CFD, optimization
2	ATF - RND 00100	Research Assistant	2004	2007			Acoustic Design, Wind Tunnel
3	INCAE - CEER	Research Assistant	2004	2006			CFD, CFD
4	INCAE - CEER	Research Assistant	2006	2006			Acoustic Design, Wind Tunnel
5	INCAE - CEER	Research Assistant	2006	2006			Acoustic Design, Wind Tunnel
6	INCAE - CEER	Research Assistant	2006	2006			Acoustic Design, Wind Tunnel
7	INCAE - CEER	Research Assistant	2006	2006			Acoustic Design, Wind Tunnel
8	INCAE - CEER	Research Assistant	2006	2006			Acoustic Design, Wind Tunnel
9	INCAE - CEER	Research Assistant	2006	2006			Acoustic Design, Wind Tunnel
10	INCAE - CEER	Research Assistant	2006	2006			Acoustic Design, Wind Tunnel

Nr	Proiect	Pozitie	Durata		Tip		Descriere
			inceput	sfarsit	activitate	rezultat	
1	INCAE - EPN, STREP	Researcher	2004	2006			Acoustic Design, advanced CFD, optimization
2	INCAE - EPN, EP	WP leader	2004	2006		Low TRL	Acoustic Design, Wind Tunnel
3	INCAE - EPN	WP leader	2007	2009			Acoustic Design, Wind Tunnel
4	PTC Clean Sky - CMA	Researcher	2010	2013			Acoustic Design, Wind Tunnel
5	PTC Clean Sky - SPWA WP 114	Task leader	2010	2013			Acoustic Design, Wind Tunnel
6	PTC Clean Sky - SPWA WP 113	Task leader	2010	2013			Acoustic Design, Wind Tunnel
7	PTC Clean Sky - SPWA WP 112	Researcher	2010	2013			Acoustic Design, Wind Tunnel
8	PTC Clean Sky - SPWA WP 109	Task leader	2010	2013			Acoustic Design, Wind Tunnel
9	PTC Clean Sky - SPWA WP 111	Task leader	2010	2013			Acoustic Design, Wind Tunnel
10	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel
11	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel
12	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel
13	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel
14	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel
15	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel
16	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel
17	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel
18	ESA - EPN	Task leader	2006	2008			Acoustic Design, Wind Tunnel

27.07.2018

### Lucrari publicate

- Cătălin Nae, Mihai Başa, Mihai-Victor Pricop, Mobile Computing Using Grid Technology, Proceedings, CSCS-14, 14th INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE, Iulie 2003, ISBN 973-8449-17-0
- M. Victor Pricop, Cătălin Nae, Tehnici CFD dezvoltate la INCAE - Agglomeration Multigrad și paralelizare MPI, Conferința Aerospacial 2005, ISBN 973-0-03993-3, <http://aerospacial-2005.incas.ro/>
- Cătălin Nae, Mihai Victor Pricop, ing. Iulian Stancu, Exemple de utilizare avansată a sistemelor CAD cu aplicație în proiectul AeroTaxi, Conferința Aerospacial 2005, ISBN 973-0-03993-3, <http://aerospacial-2005.incas.ro/>
- Cătălin Nae, Mihai Victor Pricop, Iulian Stancu, Mihai Florian, Conceptual Design for AeroTAXI - Cost Effective Small Aircraft, Conferința Aerospacial 2005, ISBN 973-0-03993-3, <http://aerospacial-2005.incas.ro/>
- M. Victor Pricop, A Simple Method to Adapt Unstructured Tetrahedral Meshes to Boundary Layers, 5-th Meeting On Applied Scientific Computing and Tools - Grid Generation, Approximation and Visualisation, MASCOT 2005, ISSN 1098-870X
- Victor GHIZDAVU, Nicolae MARIN, Mihai-Victor PRICOP, Some aspects regarding the simulation of the explosive forming, using the finite element method, ICMaS 2006 - International Conference on Manufacturing Systems, ISSN 1842-3183, [http://icmas.eu/Volume\\_2006.htm](http://icmas.eu/Volume_2006.htm)
- M. Victor PRICOP, Nicolae MARIN, Victor GHIZDAVU, Unele aspecte privind simularea deformării prin explozie a pieselor cilindrice, folosind metoda elementului finit, Seminar științific „Doctorand 2006/II”, „Metode matematice și tehnologii moderne în ingineria sistemelor tehnice”, Academia Tehnică Militară, București, România
- M. Victor Pricop, Cătălin Nae, Cristian Stanică, Automatic initial geometric modeling for two classes of airplanes, THE 32nd INTERNATIONAL SCIENTIFIC CONFERENCE “MODERN TECHNOLOGIES IN THE XXI CENTURY”, Military Technical Academy, Bucharest, 1-2 November 2007, ISBN 978-973-640-127-5
- Mihai-Victor Pricop, Ion Fulea, Victor Ghizdavu, A method to assess mechanical properties of composite materials, THE 32nd INTERNATIONAL SCIENTIFIC CONFERENCE “MODERN TECHNOLOGIES IN THE XXI CENTURY”, Military Technical Academy, Bucharest, 1-2 November 2007, ISBN 978-973-640-127-5
- Horă Dumitrescu, Mihai-Victor Pricop, Cătălin Enache, The aerodynamic design of a 5KW horizontal axis wind turbine blade and composite manufacturing, Proceedings, Conferința Internațională de Științe Aerospaciale “Aerospacial 2008”, ISBN 978-973-0-05704-1, <http://aerospacial-2008.incas.ro/>

- 11 Ion Fuorea, Ing. Nicolae Marin, Ing. Mihai-Victor Pricop, O problema de elasticitate liniara plana pentru materiale anizotropice, rezolvata cu un program paralelizat. Proceedings, Conferința Internațională de Științe Aerospațiale "Aerospațial 2008". ISBN 978-973-0-05704-1. <http://aerospațial-2008.incas.ro/>
- 12 Cătălin Nae, Florin Munteanu, Victor Pricop, Cornel Stoica, Studies on the unsteady shock wave – boundary layer interaction, Proceedings, Conferința Internațională de Științe Aerospațiale "Aerospațial 2008", ISBN 978-973-0-05704-1, <http://aerospațial-2008.incas.ro/>
- 13 Ion Lăncrănjan, Cătălin Nae, Mihai-Victor Pricop, Mircea Udrea, Wind Tunnel Flow Field Analysis using a CW Diode Pumped Frequency Doubled Solid State Laser, Proceedings, Conferința Internațională de Științe Aerospațiale "Aerospațial 2008", ISBN 978-973-0-05704-1, <http://aerospațial-2008.incas.ro/>
- 14 R. D. Rugescu, C. Predoiu, C. Nae, R. F. Bacaran, V. M. Pricop, Isochoric low speed processes within calorimeters show unexpected chemical freezing, Proceedings, Conferința Internațională de Științe Aerospațiale "Aerospațial 2008", ISBN 978-973-0-05704-1, <http://aerospațial-2008.incas.ro/>
- 15 Nicolae Marin, Mihai-Victor Pricop, Victor Ghizdavu, Simularea deformării prin explozie a unui tub ondulat din aliaj de aluminiu. Comparatie cu rezultatele experimentale, Proceedings, Conferința Internațională de Științe Aerospațiale "Aerospațial 2008", ISBN 978-973-0-05704-1, <http://aerospațial-2008.incas.ro/>
- 16 Mihai-Victor Pricop, Florian Mihai, Georges Craioveanu, Scaled Radio Controlled Platform, INCAS Buletin, vol. I, Year I, ISSN 2066-8201, [http://www.incas.ro/images/stories/INCAS\\_BULLETIN/BULLETIN\\_INCAS\\_Nr-1\\_2009\\_Internet.pdf](http://www.incas.ro/images/stories/INCAS_BULLETIN/BULLETIN_INCAS_Nr-1_2009_Internet.pdf)
- 17 Ion Lăncrănjan, Cătălin Nae, Mihai-Victor Pricop, Diana Damian, Mircea Udrea, Air Flow And Environmental Wind Visualization Using A CW Diode Pumped Frequency Doubled Nd:Yag Laser, INCAS Buletin, vol. I, Year I, ISSN 2066-8201 [http://www.incas.ro/images/stories/INCAS\\_BULLETIN/BULLETIN\\_INCAS\\_Nr-1\\_2009\\_Internet.pdf](http://www.incas.ro/images/stories/INCAS_BULLETIN/BULLETIN_INCAS_Nr-1_2009_Internet.pdf)
- 18 Mihai Victor Pricop, Towards electric propulsion, INCAS BULLETIN, Volume II, Number 1, January-March 2010, ISN 2066-8201, [http://www.incas.ro/images/stories/english/news/INCAS\\_BULLETIN\\_Vol\\_2\\_NO\\_1\\_2010\\_Martie\\_INTERNET.pdf](http://www.incas.ro/images/stories/english/news/INCAS_BULLETIN_Vol_2_NO_1_2010_Martie_INTERNET.pdf)
- 19 Marwan Isper, Mihai Victor Pricop, Daniel Crunțeanu, Analysis for a wing nacelle configuration, INCAS BULLETIN, Volume 2, Number 2, April – June 2010, ISSN2066-8201, [http://www.incas.ro/images/stories/INCAS\\_BULLETIN/INCAS\\_BULLETIN\\_VOLUME\\_2\\_NO\\_2\\_2010\\_Internet.pdf](http://www.incas.ro/images/stories/INCAS_BULLETIN/INCAS_BULLETIN_VOLUME_2_NO_2_2010_Internet.pdf)
- 20 Cătălin Nae, Mihai Victor Pricop, Florin Munteanu, Buffeting Alleviation using Active Flow Control, 2nd EUCASS, European Conference for Aeronautics and Space Sciences, 2007
- 21 Mihai Victor Pricop, Marin Nicolae, Aerodynamic parametric study for a small UAV, Aerospațial 2010, octombrie 2010, ISSN-2066-8201, pp. 165-168, [http://www.incas.ro/images/stories/AEROSPATIAL\\_2010/PROCEEDINGS\\_AEROSPATIAL-2010\\_internet.pdf](http://www.incas.ro/images/stories/AEROSPATIAL_2010/PROCEEDINGS_AEROSPATIAL-2010_internet.pdf)
- 22 Mihai Victor Pricop, Cornelia Niță, A two-dimensional linear elasticity problem for anisotropic materials, solved with a parallelized code, INCAS BULLETIN, VOLUME 2, Number 3, July-September 2010, ISSN-2066-8201, [http://www.incas.ro/images/stories/INCAS\\_BULLETIN/INCAS\\_BULLETIN\\_Volume\\_2\\_Number\\_3\\_2010\\_Internet.pdf](http://www.incas.ro/images/stories/INCAS_BULLETIN/INCAS_BULLETIN_Volume_2_Number_3_2010_Internet.pdf)
- 23 Cătălin Nae, Mihai Victor Pricop, Evaluation of a High Lift System with Oscillatory Blowing in 2.5D Configuration, INCAS BULLETIN, VOLUME 2, Number 2, April-June 2010, ISSN 2066-8201, [http://www.incas.ro/images/stories/INCAS\\_BULLETIN/INCAS\\_BULLETIN\\_VOLUME\\_2\\_NO\\_2\\_2010\\_Internet.pdf](http://www.incas.ro/images/stories/INCAS_BULLETIN/INCAS_BULLETIN_VOLUME_2_NO_2_2010_Internet.pdf)
- 24 M. Victor Pricop, Cornel Stoica, Florin Munteanu, Jean-Pierre Rosenblum, Ionut Brinza, Andreea Bobonea, Wind Tunnel Testing of Passive High-Lift Systems, INCAS BULLETIN, VOLUM 4, Issue 1, January – March 2012, [http://www.incas.ro/images/stories/INCAS\\_BULLETIN/INCAS\\_BULLETIN\\_Volume\\_4\\_Issue\\_1\\_2012\\_Internet.pdf](http://www.incas.ro/images/stories/INCAS_BULLETIN/INCAS_BULLETIN_Volume_4_Issue_1_2012_Internet.pdf)
- 25 M. V. Pricop, M. L. Niculescu, M. G. Cojocaru, D. Barsan, Design, analysis and testing of small, affordable HAWT rotors, Proceedings of the 10th International Conference of Numerical Analysis and Applied Mathematics 2012 (ICNAAM 2012), Kos, Greece, September 2012, American Institute of Physics DOI: 10.631/1.475683, AIP Conf. Proc. 1479, 1646 (2012), <http://dx.doi.org/10.1063/1.4756483>
- 26 M. L. Niculescu, M. G. Cojocaru, V. M. Pricop, Analysis of Aerodynamic Field and Noise of a Small Wind Turbine, Proceedings of 9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA 2012), Vienna, July 2012, ISBN: 9780735411050, 0735411050, ISSN: 0094-243X, AIP Conference Proceedings 1493, 699 (2012), <https://doi.org/10.1063/1.4765663>
- 27 M. Victor PRICOP, Solid Topology Optimization Using Truss Lattices, INCAS BULLETIN VOLUME 4, ISSUE 3, July-September 2012, ISSN 2066-8201, [http://www.incas.ro/images/stories/INCAS\\_BULLETIN/incas\\_bulletin\\_vol\\_4\\_iss\\_3\\_internet.pdf](http://www.incas.ro/images/stories/INCAS_BULLETIN/incas_bulletin_vol_4_iss_3_internet.pdf)
- 28 Cătălin Nae, Mihai Victor Pricop, and Gabriel Cojocaru, HIGH SPEED FLOW CONTROL USING SYNTHETIC JET ACTUATORS, European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012) J. Eberhardsteiner et al. (eds.) Vienna, Austria, September 10-14, 2012, [https://eccomas2012.conf.tuwien.ac.at/fileadmin/mediapool-eccomas2012/Diverse/Programme/ECCOMAS2012\\_GeneralInfo\\_Programme\\_RoomMaps2.pdf](https://eccomas2012.conf.tuwien.ac.at/fileadmin/mediapool-eccomas2012/Diverse/Programme/ECCOMAS2012_GeneralInfo_Programme_RoomMaps2.pdf)
- 29 Andreea Bobonea, Mihai L. Niculescu, M. Victor Pricop, Adrian Chelaru, Florin Munteanu, M. Gabriel Cojocaru, Experimental and Numerical Simulations for Transonic Flow over ONERA M4R, INCAS BULLETIN VOLUME 5, ISSUE 2, April-June 2012, ISSN 2066-8201, DOI: 10.13111/2066-8201.2013.5.2.1, <http://dx.doi.org/10.13111/2066-8201.2013.5.2.1>
- 30 Sorin Gabriel Constantinescu, Mihai Victor Pricop, George Bălan, Unmanned Aerial Vehicles, A New Tool Dedicated To Environmental Researchers, ISBN 978-606-613-067-7, Environmental Engineering and Sustainable Development, Alba Iulia, Romania, May 23-25th, 2013
- 31 Andreea Bobonea, Mihai Victor Pricop, Design of Horizontal-Axis Wind Turbine Using Blade Element Momentum Method, 11th International Conference on Numerical Analysis and Applied Mathematics, Rhodes, Greece, American Institute of Physics, pg 1241-1244 <http://scitation.aip.org/proceedings/volume.jsp>, AIP Conference Proceedings 1558, 156 (2013), ISBN 978-0-7354-1185-2, ISSN 0094-243X, Printed in the USA, DOI: 10.1063/1.4825444, <http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.4825735>

- 32 Mihai Victor PRICOP, Irina Carmen ANDREI, Mircea BOSCOIANU, APPLICATION OF MODIFIED NEWTON FLOW MODEL TO EARTH REENTRY CAPSULES, Caius Iacob 2013 Conference, ISSN 2247-0131, ISSN-L 2067-4414, [http://www.incas.ro/images/stories/Caius\\_Iacob\\_2013/List\\_of\\_authors\\_Caius\\_IACOB\\_2013\\_alphabetically%20by%20first%20author.pdf](http://www.incas.ro/images/stories/Caius_Iacob_2013/List_of_authors_Caius_IACOB_2013_alphabetically%20by%20first%20author.pdf)
- 33 M. Victor PRICOP, Albert ZAHAROVITS, Solid Topology Optimization Using Truss Lattices, 2nd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS, 2014, ISSN 2360-1809, [http://www.incas.ro/images/stories/NMAS\\_2014/workshop%20papers\\_NMAS%202014/to-pticop-zaharovits.pdf](http://www.incas.ro/images/stories/NMAS_2014/workshop%20papers_NMAS%202014/to-pticop-zaharovits.pdf)
- 34 Marius-Gabriel COJOCARU, Mihai Victor PRICOP, Mihai Leonida NICULESCU, Store separation simulations of aircraft launched orbital missile, 2nd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS, 2014, ISSN 2360-1809, [http://www.incas.ro/images/stories/NMAS\\_2014/workshop%20papers\\_NMAS%202014/cojocaru\\_pticop\\_niculescu.pdf](http://www.incas.ro/images/stories/NMAS_2014/workshop%20papers_NMAS%202014/cojocaru_pticop_niculescu.pdf)
- 35 Irina Carmen ANDREI, Mihai Leonida NICULESCU, Mihai Victor PRICOP, Numerical analysis of a nozzle for orbital rockets, 2nd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS, 2014, ISSN 2360-1809, [http://www.incas.ro/images/stories/NMAS\\_2014/workshop%20papers\\_NMAS%202014/cojocaru\\_pticop\\_niculescu.pdf](http://www.incas.ro/images/stories/NMAS_2014/workshop%20papers_NMAS%202014/cojocaru_pticop_niculescu.pdf)
- 36 Irina Carmen ANDREI, Mihai Leonida NICULESCU, Mihai Victor PRICOP, Numerical Simulations of a Small Ramjet, 2nd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS, 2014, ISSN 2360-1809
- 37 Mihai V. PRICOP, Maria C. BREABAN, Andreea A. FELCHER Numerical Tools for the Preliminary Design of an Affordable Airborne Carrier Dedicated to Small Space Launchers, 2nd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS, 2014, ISSN 2360-1809, [http://www.incas.ro/images/stories/NMAS\\_2014/workshop%20papers\\_NMAS%202014/mihai\\_v\\_pticop\\_maria\\_c\\_breaban\\_andreea\\_a\\_felche.pdf](http://www.incas.ro/images/stories/NMAS_2014/workshop%20papers_NMAS%202014/mihai_v_pticop_maria_c_breaban_andreea_a_felche.pdf)
- 38 Mihai Victor Pricop, Corneliu Stoica, Florin Munteanu, Mihai Leonida Niculescu, Marius Gabriel Cojocaru, Alexandru Marius Panait, High Speed Testing For Reentry Vehicles, International Conference of Aerospace Sciences, Aerospace 2014, Bucharest, 18-19 September 2014, ISSN 2067-8622, ISSN-L 2067-8614, [http://www.incas.ro/images/stories/aerospatial\\_2014/Vol\\_PROCEEDINGS\\_Aerospatial\\_2014\\_internet.pdf](http://www.incas.ro/images/stories/aerospatial_2014/Vol_PROCEEDINGS_Aerospatial_2014_internet.pdf)
- 39 Mihai Victor Pricop, Marian Bunea, SOLID TOPOLOGY OPTIMIZATION USING TRUSS LATTICES FOR LOW VOLUME FRACTION, MTA REVIEW Vol. XXIV, No. 3, Sep. 2014, ISSN 1843-3391, [http://journal.mta.ro/index.php?m=volumes&id\\_volum=29&id\\_articol=191](http://journal.mta.ro/index.php?m=volumes&id_volum=29&id_articol=191)
- 40 Marius-Gabriel COJOCARU, Mihai-Leonida NICULESCU, Mihai-Victor PRICOP, Aero-Acoustic assessment of installed propellers, 3rd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS 2015, INCAS Bulletin, Volume 7 Issue 2/2015, pp. 53 – 62, ISSN 2247-4528, ISSN 2066-8201, DOI: 10.13111/2066-8201.2015.7.2.5, <http://dx.doi.org/10.13111/2066-8201.2015.7.2.5>
- 41 Mihai Victor PRICOP, Marius Gabriel COJOCARU, Mihai Leonida NICULESCU, Mircea BOSCOIANU, Earth Reentry Tool for Preliminary Mission Analysis, 3rd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS 2015 pp. 123 – 127, Volume 7 Issue 2/2015, ISSN 2247-4528, ISSN 2066-8201, DOI: 10.13111/2066-8201.2015.7.2.12, <http://dx.doi.org/10.13111/2066-8201.2015.7.2.12>
- 42 Mihai Victor PRICOP, Marius Gabriel COJOCARU, Maria Cristina FADGYAS, Mircea BOSCOIANU, 3rd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS 2015, Signal processing and analysis in a buffet onset wind tunnel campaign, pp. 129-136, Volume 7 Issue 2/2015, ISSN 2247-4528, ISSN 2066-8201, DOI: 10.13111/2066-8201.2015.7.2.13, <http://dx.doi.org/10.13111/2066-8201.2015.7.2.13>
- 43 Mihai Leonida NICULESCU, Marius Gabriel COJOCARU, Mihai Victor PRICOP, Dumitru PEPELEA, Computations of the Shock Waves at Hypersonic Velocities Taken into Account the Chemical Reactions that Appear in the Air at High Temperatures, 3rd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS 2015, 3rd International Workshop on Numerical Modelling in Aerospace Sciences, NMAS 2015, DOI: 10.13111/2066-8201.2015.7.3.12, <http://dx.doi.org/10.13111/2066-8201.2015.7.3.12>
- 44 Pricop Mihai Victor, Boscoianu Mircea, Crunteanu Daniel-Eugeniu, Incremental Wind Tunnel Testing of High Lift Systems, ICNAAM 2015, September 2015, Rhodes, Greece, AIP Conf. Proc. 1738, 410006 (2016), <http://dx.doi.org/10.1063/1.4952206>
- 45 Pricop Mihai Victor, Boscoianu Mircea, Crunteanu Daniel-Eugeniu, Wind Tunnel Investigation of a High Lift System with Pneumatic Flow Control, ICNAAM 2015, September 2015, Rhodes, Greece, AIP Conf. Proc. 1738, 410006 (2016), <http://dx.doi.org/10.1063/1.4952207>
- 46 Emil Stiusanschi, Albert Zaharovits, Silvia Stegaru, Mihai Carabas, Mihai Victor Pricop, Shared memory parallelization of the Conjugate Gradient linear system solver of a FEM topology optimization code, RoEduNet Conference NER15, September 24-26, 2015, ISSN: 2068-1038, Print ISSN: 978-1-4673-8179-6, [https://conference.roedu.net/public/conferences/2/schedConfs/6/program-en\\_US.pdf](https://conference.roedu.net/public/conferences/2/schedConfs/6/program-en_US.pdf)
- 47 Pricop Mihai-Victor, Catalin Nae, Corneliu-Ioan Stoica, Florin Munteanu, Wind Tunnel Investigation of a High Lift System with Pneumatic Flow Control, DLR-Symposium "High-Lift System Research - celebrating 10 years of DLR F15", DLR-Braunschweig, 07-09.12.2015, lucrare sustinută, conferință internațională neindexată, [https://www.dlr.de/as/Portaldata/5/Resources/dokumente/newsletter/Newsletter\\_2016\\_1.pdf](https://www.dlr.de/as/Portaldata/5/Resources/dokumente/newsletter/Newsletter_2016_1.pdf)
- 48 Pricop Mihai-Victor, Corneliu-Ioan Stoica, Florin Munteanu, Marius-Gabriel Cojocaru, Jean-Pierre Rosenblum, Incremental Wind Tunnel Testing of High Lift Systems, DLR-Symposium "High-Lift System Research - celebrating 10 years of DLR F15", DLR-Braunschweig, 07-09.12.2015, lucrare sustinută, conferință internațională neindexată, [https://www.dlr.de/as/Portaldata/5/Resources/dokumente/newsletter/Newsletter\\_2016\\_1.pdf](https://www.dlr.de/as/Portaldata/5/Resources/dokumente/newsletter/Newsletter_2016_1.pdf)
- 49 M. V. Pricop, M. G. Cojocaru, C. I. Stoica, M. L. Niculescu, A. M. Neulăncu, A. G. Parsinaru and M. Boscoianu, Glide Back Booster Wind Tunnel Model Testing, ICNAAM 2016, Rhodes, Greece, 2016, <http://dx.doi.org/10.1063/1.4992593>
- 50 Mihai Victor Pricop, Marian Bunea, Roxana Nedelcu, Truss Systems and Shape Optimization, ICNAAM 2016, Rhodes, Greece, 2016, <http://dx.doi.org/10.1063/1.4992593>

51 Mihai-Victor PRICOP, Maria-Cristina FADGYAS, Mihai Leonida NICULESCU, Marius Gabriel COJOCARU, Comparison of different methods for fast computation of aerodynamic pressure coefficients and heat fluxes in hypersonic regime, 5th International Workshop on Numerical Modelling in Aerospace Sciences, NMAS 2017, ISSN 2066-8201, ISSN-L 2066-8201, DOI: 10.13111/2066-8201.2016.8.3.5

52 M. L. Niculescu, M. G. Cojocaru, M. V. Pricop, M. C. Fadgyas, D. Pepelea, and M. G. Stoican, A new computational-method for reacting hypersonic flow ICNAAM 2016, Rhodes, Greece, 2016, <http://dx.doi.org/10.1063/1.4992158>

53 Alexandru-Mihai CISMILIANU, Camelia Elena MUNTEANU, Ionut-Cosmin ONCESCU, Radu-Petru BIBIRE, Valentin STOENESCU, Mihai-Victor PRICOP, Elisabeth REY, Sébastien EYRIGNOUX, End to end process of hollow spacecraft structures with high frequency and low mass obtained with in-house structural optimization tool and additive manufacturing, 5th International Workshop on Numerical Modelling in Aerospace Sciences, NMAS 2017, ISSN 2066-8201, ISSN-L 2066-8201, DOI: 10.13111/2066-8201.2017.9.3.2, <https://doi.org/10.13111/2066-8201.2017.9.3.2>

54 Mihai-Victor Pricop, Mircea Boşcoianu, Cătălin Nae, Marius-Gabriel Cojocaru, Microfighter As An Alternative To Fourth Generation Fighter Planes, AFASES 2017, DOI: 10.19062/2247-3173.2017.19.1.19

55 Alexandru DUMITRACHE, Mihai-Victor PRICOP, Mihai-Leonida NICULESCU, Marius-Gabriel COJOCARU, Tudor IONESCU, DESIGN AND ANALYSIS METHODS FOR UAV ROTOR BLADES, DOI: 10.19062/2247-3173.2017.19.1.48

56 M. Marini, M. Di Clemente, G. Guidotti, G. Rufolo, O. Lambert, N. Joiner, D. Charbonnier, M.V. Pricop, M.G. Cojocaru, D. Pepelea, A. Denaro, Aeroshape Trade-Off and Aerodynamic Analysis of the Space Rider Vehicle, 7th EUCASS, European Conference for Aeronautics and Space Sciences, 2017

57 Tudorel-Petronel AFILIPOAE, Ana-Maria NECULĂESCU, Alexandru-Iulian ONEL, Mihai-Victor PRICOP, Alexandru MARIN, Alexandru-Gabriel PERȘINARU, Alexandru-Mihai CISMILIANU, Ionuț-Cosmin ONCESCU, Adrian TOADER, Adriana SIRBI, Samir BENMAMI, Teodor-Viorel CHELARU, Launch Vehicle - MDO in the development of a Microlauncher, Aerospace Europe, 6th CEAS Conference, 2017, Transportation Research Procedia 2018 29:1-11, <https://www.sciencedirect.com/science/article/pii/S2352146518300012/pdf?md5=ce399dc8c36454dea7a2eb5afa447862&pid=1-s2.0-S2352146518300012-main.pdf>

58 Alexandru-Mihai CISMILIANU, Camelia Elena MUNTEANU, Ionut-Cosmin ONCESCU, Mihaela NASTASE, Radu-Petru BIBIRE, Ion DIMA, Mihai Victor PRICOP, Spacecraft bracket design using additive manufacturing, Aerospace Europe, 6th CEAS Conference, 2017

59 Cătălin Pirvu, Corina Elena Boşcoianu, Mihai Victor Pricop, Lorena Deleanu, BIRD STRIKE DAMAGE ASSESSMENT FOR AN AIRCRAFT TAIL PLANE, MECHANICAL TESTING AND DIAGNOSIS SCIENTIFIC JOURNAL, ISSN 2247 - 9635, 2016 (VI), Volume 4, pp. 12-21, <http://www.im.ugal.ro/mtd/issue20164.htm>

60 Fadgyas Maria Cristina, Pricop Mihai Victor, Niculescu Mihai Leonida, Cojocaru Marius Gabriel, Dumitrache Alexandru, Fast Computational Hypersonic Heat Flux Estimation, ICNAAM 2017, Thessaloniki, Greece, AIP Conference Proceedings 1978, 370006 (2018); doi: 10.1063/1.5043974, <https://doi.org/10.1063/1.5043974>

61 Fadgyas Maria Cristina, Pricop Mihai Victor, Niculescu Mihai Leonida, Cojocaru Marius Gabriel, Dumitrache Alexandru, Semi-empirical relations for pressure distributions in hypersonic regime, ICNAAM 2017, Thessaloniki, Greece, AIP Conference Proceedings 1978, 370007 (2018); doi: 10.1063/1.5043975, <https://doi.org/10.1063/1.5043975>

62 M. L. Niculescu, M. G. Cojocaru, M. V. Pricop, M. C. Fadgyas, M. G. Stoican, D. Pepelea, Hypersonic Gas Dynamics of a Marco Polo Reentry Capsule, ICNAAM 2017, Thessaloniki, Greece, AIP Conference Proceedings 1978, 030034 (2018); doi: 10.1063/1.5043684, <https://doi.org/10.1063/1.5043684>

63 A.I. Onel, T.P Afilipoae, A.M. Neculaescu, M.V. Pricop, "Mathematical model for fast drag coefficient estimations with application to small launcher optimisation", in curs de publicare; Conferinta Caius Iacob 2017, ISSN 2247-4628; <http://bulletin.incas.ro>, ISSN 2066-8201; ISSN-L 2066-8201, DOI: 10.13111/2066-8201, <http://doi.org/10.13111/2066-8201>

64 Ana-Maria NECULĂESCU, Tudorel-Petronel AFILIPOAE, Alexandru Iulian ONEL, Mihai Victor PRICOP, Ion STROE, Trajectory optimization for small launchers using a genetic algorithm approach, ICNPAA 2018, Erevan, Armenia, lucrare acceptată și susținută

65 Mihai Leonida Niculescu, Mihai Victor Pricop, Marius Gabriel Cojocaru, Maria Cristina Fadgyas, Alexandru Dumitrache, Corrections for Wind Tunnel Results for 2D High Lift Configurations Using RANS Simulations, ICNPAA 2018, Erevan, Armenia, lucrare acceptată

66 Alexandru Iulian ONEL, Alexandra STĂVĂRESCU, Marius Gabriel COJOCARU, Mihai Victor PRICOP, Mihai Leonida NICULESCU, Ana-Maria NECULĂESCU, Tudorel-Petronel AFILIPOAE, Computation of the Hypersonic Heat Flux with Application to Small Launchers, ICNPAA 2018, Erevan, Armenia, lucrare acceptată și susținută

67 Dumitru Pepelea, Marius Gabriel Cojocaru, Mihai Victor Pricop, Mihai Leonida Niculescu, Mihaela Gilbert Stoican, Dynamic Derivatives Assessment of Earth Re-entry Capsule in Low Supersonic Conditions, ICNPAA 2018, Erevan, Armenia, lucrare acceptată și susținută

68 Mihai Victor Pricop, Mircea Boşcoianu, Marius Gabriel Cojocaru, Alexandru Dumitrache, Airfoil optimization based on low fidelity flow models, ICNPAA 2018, Erevan, Armenia, lucrare acceptată și susținută

69 Mihaela Gilbert STOICAN, Gabriel Marius COJOCARU, Dumitru PEPELEA, Corneliu Ioan STOICA, Mihai Victor PRICOP, Wind Tunnel Model Support and Wall Interference Corrections Using the CFD Techniques, ICNPAA 2018, Erevan, Armenia, lucrare acceptată și susținută

70 M. V. Pricop, M. G. Stoican, C. I. Stoica, M. Manea and M. L. Niculescu, Optimal Configuration of High Speed Wind Tunnel Campaign, ICNAAM 2018, Rhodes, Grecia, lucrare acceptată

71 Ionut BUNESCU, Sterian DĂNĂILĂ, Mihai-Victor PRICOP, Adrian DINA, Estimation of Wind Tunnel Corrections Using Potential Models, International Conference AEROSPATIAL 2018

72 Adrian DINA, Sterian DANAILA, Mihai-Victor PRICOP, Ionut BUNESCU, Using genetic algorithms to optimize airfoils in incompressible regime, International Conference AEROSPATIAL 2018

73 M. L. Niculescu, I. Bunescu, D. Pepelea, M. V. Pricop, Screen Induced Turbulence in a Low Speed Wind Tunnel, International Conference AEROSPATIAL 2018

