

UNIVERSITATEA POLITEHNICA DIN BUCURESTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE

PREZENTARE LA CONCURS [ABILITARE]

CANDIDAT FLORIN STOICAN

Concurs abilitare, Depart. de Automatică și Ingineria Sistemelor, Fac. de Automatică și Calculatoare

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor în domeniul Ingineria Sistemelor, Nr. 8965027 din 09.07.2012 emisă de Ecole Supérieure d'Electricite	
B. Îndeplinirea standardelor minime naționale conform OMECTS Nr. 6129 / 20.12.2016 [MO, I, 123 / 15.02.2017]	Standarde indeplinite, conform Comisiei CNATDCU Nr. 15, COMISIA CALCULATOARE, TEHNOLOGIA INFORMATIEI SI INGINERIA SISTEMELOR Anexată: Fișa de calcul si de sustinere a indeplinirii standardelor minime specifice domeniului, in acord cu realizarile mentionate:	
Condiții minimale [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică / profesională	100	123.33
A2. Activitatea de cercetare	600	802.9
A3. Recunoașterea și impactul activității	150	691.96
TOTAL (A)	850	1618.19
Condiții minimale obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A.1.1.1 – A1.1.2 Cărți de specialitate	1	2
A.2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	15 din care minim 3 în reviste cotate ISI Q1 sau Q2	41 din care 12 in Q1 sau Q2
A.2.4.1 Granturi/proiecte castigate prin competitie (Director/responsabil partener)	2	2
A.3.1.1 – A3.1.2. Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS) ¹	25	200
Factor de impact cumulată pentru publicații	10	42.93
C. Atestarea studiilor (diploma + Foi Matricole) si a altor realizari profesionale	Diploma de Licenta , in domeniul Ingineria Sistemelor, Seria G, Nr. 0026805 din 23.09.2008 emisă de Univ. POLITEHNICĂ din București	
C. Atestarea studiilor (diploma + Foi Matricole) si a altor realizari profesionale	<p>Alte Diplome: diploma de Bacalaureat, Seria T, Nr. 0228604 din 11.07.2003, emisă de Gr. Șc. Constantin Brâncoveanu, Horezu</p> <hr/> <p>Alte Certificate: certificat de absolvire a modului pedagogic, seria G, nr 0012666, 1416/06.06.2016</p> <hr/> <p>Alte Acte de atestare a studiilor/realizarilor profesionale:</p> <ul style="list-style-type: none"> - Certificate of completion – ERCIM “Alain Bensoussan” Fellowship Programme - Atestat de recunoastere a diplomei de doctor, Seria L, Nr. 0002461, 61324/14.02.2013 	

Subsemnatul/subsemnata STOICAN FLORIN, candidat la concursul de abilitare, Departam. de AUTOMATICĂ ȘI INGINERIA SISTEMELOR, Facultatea de AUTOMATICĂ ȘI CALCULATOARE din Domeniul de Studii Univ. INGINERIA SISTEMELOR, arondat Comisiei de Specialitate CNATDCU [OMECTS 4106/10.06.2016] Nr. 15, CALCULATOARE, TEHNOLOGIA INFORMATIEI SI INGINERIA SISTEMELOR, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt indeplinite toate Standardele minime prevazute de Metodologia UPB 2018 pentru inscrierea la concurs, in momentul inscrierii la concurs, si sustin veridicitatea informatiilor prezentate in dosar si in materialul de mai sus. Lucrarile considerate a fi incluse in Baza ISI Thomson Reuters sau in alte Baze de Date Internationale [BDI] sunt vizibile in aceste baze, in dreptul numelui candidatului, la aceasta data.

Candidat, Florin STOICAN

Data

(semnatura)

.....16.05.2018.....

IN CONTINUARE: Fișa de calcul si de sustinere a indeplinirii standardelor minime specifice domeniului, in acord cu realizarile mentionate

Factori minimali

COMISIA 15: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR

Florin Stoican

16 mai 2018

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A3.4 Premii în domeniu conferite de Academia Română, ASTR, AOSR, sau premii internaționale de prestigiu	97

1. Structura activității candidatului

Nr. crt.	Domeniul activităților	Categoriile și restricții		Subcategoriile		Indicatori (k_{pi})	Punctaj
0	1	2		3		4	5
1	Activitatea didactică și profesională (A1)	Cărți de autor sau capitole ¹ de specialitate în edituri cu ISBN	Cărți / monografii	A1.1.1	internaționale	50 / nr de autori sau 100 / nr. autori cu condiția ²	100
				A.1.1.2	naționale	50 / nr. de autori	0
		Material didactic / Lucrări didactice publicate în edituri cu ISBN	Manuale didactice	A.1.2.1		40 / nr. de autori	23.33
2	Activitatea de cercetare (A2)	Articole în reviste cotate ISI, și lucrări în volumele unor manifestări științifice indexate ISI		A2.1		(25+30 * factor impact ³)/nr. de autori	686.56
				A2.2		20/nr. de autori	65.34
		Proprietate intelectuală, brevete de invenție, certificate ORDA		A2.3.1	internaționale ⁵	35/nr. de autori	0
				A2.3.2	naționale (OSIM)	25/nr. de autori	0
		Granturi / proiecte de cercetare câștigate prin competiție ⁶ sau Contracte cu agenți economici, în valoare de minim 10.000 dolari USA echivalent încasați ⁶	Director/ responsabil partener	A2.4.1.1	internaționale	20 * ani de desfășurare	0
				A2.4.1.2	naționale	10 * ani de desfășurare	25
	Membru în echipă	A2.4.2.1	internaționale	4 * ani de desfășurare	0		
		A2.4.2.2	naționale	2 * ani de desfășurare	26		
3	Recunoașterea și impactul activității (A3)	Citări ⁷ în cărți, reviste și volume ale unor manifestări științifice		A.3.1.1	cărți, ISI ⁸	8/ nr. aut. art. citat	614.53
				A.3.1.2	BDI ⁴	4/nr. aut. art. citat	47.43
		Membru în colectivele de redacție sau comiteele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comiteele de organizare ale manifestărilor științifice internaționale indexate ISI ⁹		A3.2		10	20
		Membru în colectivele de redacție sau comiteele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comiteele de organizare ale manifestărilor științifice internaționale indexate BDI ⁹		A3.3		10	10
		Premii în domeniu conferite de Academia Română, ASTR, AOSR, sau premii internaționale de prestigiu		A3.4		15	0

2. Formula de calcul a indicatorului de merit ($A=A1+A2+A3$)

$$A = \sum_i k_{1i} + \sum_i k_{2i} + \sum_i k_{3i} = 123.33 + 802.9 + 691.96 = 1618.19$$

3. Condiții minimale (A_i)

Nr. crt.	Domeniul de activitate	Abilitare / Profesor	Punctaj
A1	Activitatea didactică / profesională (A1)	100	123.33
A2	Activitatea de cercetare (A2)	600	802.9
A3	Recunoașterea impactului activității (A3)	150	691.96
TOTAL (A)		850	1618.19

Condiții minimale obligatorii pe subcategoriile

Nr. crt.	Domeniul de activitate	Abilitare / Profesor	Punctaj
A1.1.1 - A1.1.2	Cărți de specialitate	1 carte	2
A2.1	Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	15 din care minim 3 în reviste cotate ISI Q1 sau Q2 ¹⁰	41 (12 în Q1/2)
A2.4.1	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	2	2
A3.1.1	Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI (WOS) ¹¹	25	200
	Factor de impact ISI cumulat pentru publicații ¹²	10	42.93

Notă: Comisia de concurs va aprecia îndeplinirea condițiilor minime obligatorii pe subcategoriile privind calitatea și relevanța acestora pentru postul în concurs.

Abrevieri: BDI = bază de date internațională; ISI = baza de date internațională Institute for Scientific Information Web of Science; WOS = ISI Web of Science; OSIM = Oficiul de Stat pentru Invenții și Mărci; WIPO = World Intellectual Property Organization (Organizația Mondială a Proprietății Intelectuale); EPO = European Patent Office (Oficiul European de Patente); USPTO = United States Patent and Trademark Office (Oficiul de Brevete și Mărci a Statelor Unite ale Americii); JPO = Japan Patent Office (Oficiul de Brevete al Japoniei)

Note

¹Capitolul de carte editată trebuie să NU fie într-un volum de conferință (cu ISBN) și se punctează cu 1/4 din punctajul pentru cartea din categoria respectivă.

²Dacă cartea respectivă se regăsește în cel puțin 50 de biblioteci din străinătate conform catalogului WorldCat.

³Se consideră factorul de impact ISI al revistei valabil în anul publicării sau la data depunerii dosarului. Pentru volumele manifestărilor ISI se consideră factorul de impact echivalent 0.25. Pentru volumele conferințelor internaționale de top în domeniul de abilitare se consideră factorul de impact echivalent 0.75 (lista acestora agreată și ținută la zi de comisia CNATDCU nr. 15 fiind disponibilă la adresa www.cnatdcu-c15.org).

⁴Pentru domeniul Calculatoare, Tehnologia Informației și Ingineria Sistemelor sunt recunoscute următoarele baze de date internaționale (BDI): ISI, Scopus, IEEE (Institute of Electrical and Electronics Engineers) Xplore, Science Direct, Elsevier, Springerlink, ACM (Association for Computing Machinery), DBLP, EURASIP, Wiley, Inspec.

⁵Se dublează punctajul dacă rezultatul este înregistrat la WIPO, EPO, USPTO, JPO.

⁶Nu se consideră în această categorie proiecte / granturi care nu prezintă un caracter predominant de cercetare. Se consideră numai proiecte/granturi relevante pentru profilul postului scos la concurs / domeniul de abilitare. Candidatul va atașa documente care să demonstreze caracterul de cercetare al proiectului.

⁷Se exclud autocitățile (auto-citarea se referă la situația în care numele candidatului apare simultan atât printre numele autorilor referinței bibliografice în cauza cât și printre numele autorilor articolului care citează, conform WOS <https://images.webofknowledge.com/WOKRSS23R4/help/WOS/hscsearchselfcitations.html>).

⁸Se dublează punctajul dacă citarea provine dintr-o revistă cotate ISI aflată printre primele 50% în cadrul subdomeniului (sau al unuia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI).

⁹Nu se ia în considerație calitatea de recenzor al unor articole individuate.

¹⁰Revista cotate ISI aflată printre primele 50% în cadrul subdomeniului (sau al unuia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI). Situația revistelor în top 25-50% (Q1,Q2) se consideră fie la momentul publicării, fie la data înscrierii la concurs. Una și numai una dintre lucrările necesare poate fi echivalată cu: (un brevet de invenție indexat WOS-Derwent) sau (1 articol în conferințe internaționale de top în domeniul de abilitare, lista acestora agreată și ținută la zi de comisia CNAIDCU nr.15 fiind disponibilă la adresa www.cnatdcu-c15.org).

¹¹Revista cotate ISI aflată printre primele 50% în cadrul subdomeniului (sau al unuia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI). Situația revistelor în top 25-50% (Q1, Q2) se consideră fie la momentul publicării, fie la data înscrierii la concurs. Una și numai una dintre lucrările necesare poate fi echivalată cu: (un brevet de invenție indexat WOS-Derwent) sau (1 articol în conferințe internaționale de top în domeniul de abilitare, lista acestora agreată și ținută la zi de comisia CNAIDCU nr.15 fiind disponibilă la adresa www.cnatdcu-c15.org).

¹²Lucrarea citată nu este obligatoriu să fie indexată WOS.

A1 Activitatea didactică și profesională

A1.1 Cărți de autor sau capitole de specialitate în edituri cu ISBN

A1.1.1 Cărți / monografii (internaționale)

Sunt autor și co-autor a 4 cărți / capitole de carte internaționale de specialitate în edituri cu ISBN:

- [B1] **Stoican, F.**, C. Oara și M. Hovd, “RPI approximations of the mRPI set characterizing linear dynamics with zonotopic disturbances”, în *Developments in Model-Based Optimization and Control: Distributed Control and Industrial Applications*, ser. Lecture Notes in Control and Information Sciences, pp. 361–377 (17 pagini), 2015. ISBN: 9783319266855.
Publicat de: SPRINGER-VERLAG BERLIN (HEIDELBERGER PLATZ 3, D-14197 BERLIN, GERMANY)
 DOI: 10.1007/978-3-319-26687-9_17. WOS: 000369162800019. EID: 2-s2.0-84954169584.
Citări: Scopus: 1 Web of Science: 1.
- [B2] Prodan, I., **F. Stoican**, S. Oлару, C. Stoica și S.-I. Niculescu, “Mixed-Integer Programming Techniques in Distributed MPC Problems”, în, ser. Intelligent Systems, Control and Automation: Science and Engineering, pp. 275–291 (17 pagini), 2014. ISBN: 9789400770058.
Publicat de: Kluwer Academic Publishers (P.O. Box 17, 3300 AA Dordrecht, the Netherlands)
 DOI: 10.1007/978-94-007-7006-5_17. EID: 2-s2.0-84896528456.
 BDI: Scopus (https://www.scopus.com/inward/record.uri?eid=2-s2.0-84896528456&doi=10.1007%2f978-94-007-7006-5_17&partnerID=40&md5=729ce411e524d9bce59b7b03d1ccbef9).
Citări: Scopus: 2 Web of Science: 1.
- [B3] **Stoican, F.** și S. Oлару, *Set-theoretic Fault-tolerant Control in Multisensor Systems.*, pp. 1–152 (152 pagini), 2013. ISBN: 9781848215658; 9781118649428.
Publicat de: JOHN WILEY & SONS (THE ATRIUM, SOUTHERN GATE, CHICHESTER, W SUSSEX PO 19 8SQ, ENGLAND)
 WOS: 000327043800009. EID: 2-s2.0-85014342801.
Citări: Web of Science: 11.
- [B4] Prodan, I., **F. Stoican**, S. Oлару și S. Niculescu, *Mixed-Integer Representations in Control Design: Mathematical Foundations and Applications.*, pp. 1–107 (107 pagini), 2016. ISBN: 9783319269931.
Publicat de: SPRINGER INTERNATIONAL PUBLISHING AG (GEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND)
 DOI: 10.1007/978-3-319-26995-5. WOS: 000415981400008.

id	nr. autori	carte / capitol	WorldCat		punctaj
[B1]	3	capitol		$(1 \times 50)/4$	12.5
[B2]	5	capitol		$(1 \times 50)/4$	12.5
[B3]	2	carte	DA	$(2 \times 50)/2$	50
[B4]	4	carte	DA	$(2 \times 50)/4$	25
total					100

Punctaj pentru categoria **A1.1.1**: 100 p

A1.1.2 Cărți / monografii (naționale)

Nu există.

Punctaj pentru categoria **A1.1.2**: 0 p

A1.2 Material didactic / Lucrări didactice publicate în edituri cu ISBN

A1.2.1 Manuale didactice

Sunt co-autor a **2** lucrări didactice publicate în edituri cu ISBN:

- [D1] Ștefan, R., **F. Stoican**, F. Tudor și C. Oară, *Teoria sistemelor: Culegere de probleme*, București: pp. 1–195 (195 pagini), 2014. ISBN: 9781848215658. Adresa: <http://www.upb.ro/editura-upb/templates/aparitii2013.html>
Publicat de: POLITEHNICA PRESS (Splaiul Independenței nr. 313, sector 6, cod 060042, București, România)
- [D2] Pătrașcu, M., T. C. Ionescu și **F. Stoican**, *Sisteme de conducere pentru roboți mobili*, București: pp. 1–106 (106 pagini), 2018. ISBN: 9786065158009.
Publicat de: POLITEHNICA PRESS (Splaiul Independenței nr. 313, sector 6, cod 060042, București, România)

id	nr. autori		punctaj
[D1]	4	40/4	10
[D2]	3	40/3	13.33
total			23.33

Punctaj pentru categoria **A1.2.1**: 23.33 p

A2 Activitatea de cercetare

A2.1 Articole în reviste cotate ISI, și lucrări în volumele unor manifestări științifice indexate ISI

Sunt autor și co-autor a **13** articole în reviste cotate ISI:

- [J1] Popescu, D., L. Ichim și **F. Stoican**, “Unmanned aerial vehicle systems for remote estimation of flooded areas based on complex image processing”, *Sensors (Switzerland)*, pp. 1–24 (24 pagini), 2017. 3, ISSN: 1424-8220.
Publicat de: MDPI AG (ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND)
 DOI: 10.3390/s17030446. WOS: 000398818700019. EID: 2-s2.0-85014008000.
IF: 2.67 [din JCR 2016, valabil la data depunerii]. **Q2** (CHEMISTRY, ANALYTICAL - 25/76); **Q2** (ELECTROCHEMISTRY - 12/27); **Q1** (INSTRUMENTS & INSTRUMENTATION - 10/58) [din JCR 2016, valabil la data depunerii].
Citări: Web of Science: 1.

- [J2] Stankovic, N., **F. Stoican**, S. Olaru și S.-I. Niculescu, “Fault tolerant control design for a class of multi-sensor networked control systems”, *International Journal of Adaptive Control and Signal Processing*, pp. 412–426 (15 pagini), 2016. 2, ISSN: 0890-6327.
Publicat de: WILEY-BLACKWELL (111 RIVER ST, HOBOKEN 07030-5774, NJ USA)
 DOI: [10.1002/acs.2568](https://doi.org/10.1002/acs.2568). WOS: 000369342100016. EID: 2-s2.0-84961367930.
IF: 1.71 [din JCR 2016, valabil la data depunerii]. Q3 (AUTOMATION & CONTROL SYSTEMS - 31/60); Q2 (ENGINEERING, ELECTRICAL & ELECTRONIC - 125/259) [din JCR 2016, valabil la data depunerii].
Citări: Scopus: 2 Web of Science: 2.
- [J3] Popescu, D., **F. Stoican** și L. Ichim, “Control and optimization of UAV trajectory for aerial coverage in photogrammetry applications”, *Advances in Electrical and Computer Engineering*, pp. 99–106 (8 pagini), 2016. 3, ISSN: 1582-7445.
Publicat de: UNIV SUCEAVA, FAC ELECTRICAL ENG (UNIV SUCEAVA, FAC ELECTRICAL ENG, STEFAN CEL MARE, UNIVERSITATII 13, SUCEAVA, 720229, ROMANIA)
 DOI: [10.4316/AECE.2016.03014](https://doi.org/10.4316/AECE.2016.03014). WOS: 000384750000014. EID: 2-s2.0-84991093546.
IF: 0.6 [din JCR 2016, valabil la data depunerii]. Q3 (COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - 120/132); Q3 (ENGINEERING, ELECTRICAL & ELECTRONIC - 225/259) [din JCR 2016, valabil la data depunerii].
Citări: Scopus: 1.
- [J4] Prodan, I., E. Zio și **F. Stoican**, “Fault tolerant predictive control design for reliable microgrid energy management under uncertainties”, *Energy*, pp. 20–34 (15 pagini), 2015. ISSN: 0360-5442.
Publicat de: PERGAMON-ELSEVIER SCIENCE LTD (THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND)
 DOI: [10.1016/j.energy.2015.08.009](https://doi.org/10.1016/j.energy.2015.08.009). WOS: 000365362700003. EID: 2-s2.0-84946026960.
IF: 4.52 [din JCR 2016, valabil la data depunerii]. Q1 (ENERGY & FUELS - 17/89); Q1 (THERMODYNAMICS - 3/58) [din JCR 2016, valabil la data depunerii].
Citări: Scopus: 10 Web of Science: 12.
- [J5] Xu, F., V. Puig, C. Ocampo-Martinez, S. Olaru și **F. Stoican**, “Set-theoretic methods in robust detection and isolation of sensor faults”, *International Journal of Systems Science*, pp. 2317–2334 (18 pagini), 2015. 13, ISSN: 0020-7721.
Publicat de: TAYLOR & FRANCIS LTD (4 PARK SQUARE, MILTON PARK, ABINGDON OX14 4RN, OXON, ENGLAND)
 DOI: [10.1080/00207721.2014.989293](https://doi.org/10.1080/00207721.2014.989293). WOS: 000357935900003. EID: 2-s2.0-84946481041.
IF: 2.29 [din JCR 2016, valabil la data depunerii]. Q2 (AUTOMATION & CONTROL SYSTEMS - 24/60); Q1 (COMPUTER SCIENCE, THEORY & METHODS - 24/104); Q1 (OPERATIONS RESEARCH & MANAGEMENT SCIENCE - 21/83) [din JCR 2016, valabil la data depunerii].
Citări: Scopus: 16 Web of Science: 12.
- [J6] **Stoican, F.**, S. Olaru, J. A. De Dona și M. M. Seron, “A discussion on sensor recovery techniques for fault tolerant multisensor schemes”, *International Journal of Systems Science*, pp. 1708–1722 (15 pagini), 2014. 8, ISSN: 0020-7721.
Publicat de: TAYLOR & FRANCIS LTD (4 PARK SQUARE, MILTON PARK, ABINGDON OX14 4RN, OXON, ENGLAND)
 DOI: [10.1080/00207721.2012.748947](https://doi.org/10.1080/00207721.2012.748947). WOS: 000337363600009. EID: 2-s2.0-84902884804.
IF: 2.29 [din JCR 2016, valabil la data depunerii]. Q2 (AUTOMATION & CONTROL SYSTEMS - 24/60); Q1 (COMPUTER SCIENCE, THEORY & METHODS - 24/104); Q1 (OPERATIONS RESEARCH & MANAGEMENT SCIENCE - 21/83) [din JCR 2016, valabil la data depunerii].
- [J7] Hovd, M. și **F. Stoican**, “On the design of exact penalty functions for MPC using mixed integer programming”, *Computers and Chemical Engineering*, pp. 104–113 (10 pagini), 2014.

ISSN: 0098-1354.

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Citări: Scopus: 6 Web of Science: 6.

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Citări: Scopus: **53** Web of Science: **50**.

id	IF	nr. autori	Q1/Q2/Q3		punctaj
[J1]	2.67	3	1	$(25+30 \times 2.67)/3$	35.03
[J2]	1.71	4	2	$(25+30 \times 1.71)/4$	19.08
[J3]	0.6	3	3	$(25+30 \times 0.6)/3$	14.33
[J4]	4.52	3	1	$(25+30 \times 4.52)/3$	53.53
[J5]	2.29	5	1	$(25+30 \times 2.29)/5$	18.74
[J6]	2.29	4	1	$(25+30 \times 2.29)/4$	23.42
[J7]	3.02	2	1	$(25+30 \times 3.02)/2$	57.8
[J8]	3.39	4	1	$(25+30 \times 3.39)/4$	31.67
[J9]	2.7	5	2	$(25+30 \times 2.7)/5$	21.2
[J10]	2.54	3	1	$(25+30 \times 2.54)/3$	33.73
[J11]	1.29	4	2	$(25+30 \times 1.29)/4$	15.92
[J12]	2.7	4	2	$(25+30 \times 2.7)/4$	26.5
[J13]	2.21	4	2	$(25+30 \times 2.21)/4$	22.83
total					373.78

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- [C1] **Stoican, F.**, I. Prodan, D. Popescu și L. Ichim, “Constrained trajectory generation for UAV systems using a B-spline parametrization”, în *25th Mediterranean Conference on Control and Automation, MED 2017*, pp. 613–618 (6 pagini), 2017. ISBN: 9781509045334.

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IF: 0.25.

id	IF	nr. autori		punctaj
[C1]	0.25	4	$(25+30 \times 0.25)/4$	8.12
[C2]	0.25	5	$(25+30 \times 0.25)/5$	6.5
[C3]	0.25	2	$(25+30 \times 0.25)/2$	16.25
[C4]	0.25	4	$(25+30 \times 0.25)/4$	8.12
[C5]	0.25	2	$(25+30 \times 0.25)/2$	16.25

...continuare

id	IF	nr. autori		punctaj
[C6]	0.25	4	$(25+30 \times 0.25)/4$	8.12
[C7]	0.25	3	$(25+30 \times 0.25)/3$	10.83
[C8]	0.25	4	$(25+30 \times 0.25)/4$	8.12
[C9]	0.25	3	$(25+30 \times 0.25)/3$	10.83
[C10]	0.75	3	$(25+30 \times 0.75)/3$	15.83
[C11]	0.25	5	$(25+30 \times 0.25)/5$	6.5
[C12]	0.25	5	$(25+30 \times 0.25)/5$	6.5
[C13]	0.25	5	$(25+30 \times 0.25)/5$	6.5
[C14]	0.25	5	$(25+30 \times 0.25)/5$	6.5
[C15]	0.75	3	$(25+30 \times 0.75)/3$	15.83
[C16]	0.75	5	$(25+30 \times 0.75)/5$	9.5
[C17]	0.25	2	$(25+30 \times 0.25)/2$	16.25
[C18]	0.75	3	$(25+30 \times 0.75)/3$	15.83
[C19]	0.75	3	$(25+30 \times 0.75)/3$	15.83
[C20]	0.75	3	$(25+30 \times 0.75)/3$	15.83
[C21]	0.25	3	$(25+30 \times 0.25)/3$	10.83
[C22]	0.25	2	$(25+30 \times 0.25)/2$	16.25
[C23]	0.25	4	$(25+30 \times 0.25)/4$	8.12
[C24]	0.25	3	$(25+30 \times 0.25)/3$	10.83
[C25]	0.75	4	$(25+30 \times 0.75)/4$	11.88
[C26]	0.75	4	$(25+30 \times 0.75)/4$	11.88
[C27]	0.25	3	$(25+30 \times 0.25)/3$	10.83
[C28]	0.25	4	$(25+30 \times 0.25)/4$	8.12
total				312.78

Punctaj pentru categoria A2.1: $373.78 + 312.78 = 686.56$ p

A2.2 Articole în reviste, și în volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI)

Nu există articole în reviste indexate BDI.

Sunt autor și co-autor a **12** lucrări în volumele unor manifestări științifice indexate BDI:

- [C29] **Stoican, F.**, E. Ingar Grötli, I. Prodan și C. Oară, “On corner cutting in multi-obstacle avoidance problems”, în *5th IFAC Conference on Nonlinear Model Predictive Control (NMPC'15)*, pp. 185–190 (6 pagini), 2015.
Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*
 DOI: 10.1016/j.ifacol.2015.11.281. EID: 2-s2.0-84964219468.
 BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964219468&doi=10.1016%2fj.ifacol.2015.11.281&partnerID=40&md5=9e047f6eda55e06b166971275ab452b8>).
Citări: Scopus: **1** Web of Science: **1**.
- [C30] Prodan, I., **F. Stoican** și E. Zio, “On a fault tolerant strategy for efficient energy management in microgrid systems”, în *5th IFAC Conference on Nonlinear Model Predictive Control (NMPC'15)*, pp. 458–463 (6 pagini), 2015.
Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*
 DOI: 10.1016/j.ifacol.2015.11.321. EID: 2-s2.0-84964200020.
 BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964200020&doi=10.1016%2fj.ifacol.2015.11.321&partnerID=40&md5=b3f3f4758dd952253356edaf957195a5>).
- [C31] **Stoican, F.**, I. Prodan, M.-I. Strutu și D. Popescu, “Geometrical interpretation on the coverage problems for a mobile agent”, în *2014 18th International Conference on System Theory, Control and Computing, ICSTCC 2014*, pp. 785–790 (6 pagini), 2014. ISBN: 9781479946013.
Publicat de: *IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)*
 DOI: 10.1109/ICSTCC.2014.6982514. EID: 2-s2.0-84929448955.
 BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929448955&doi=10.1109%2fICSTCC.2014.6982514&partnerID=40&md5=fe5ae5178d6593e097ab56b2dcc2351b>).
- [C32] Xu, F., V. Puig, C. Ocampo-Martinez, **F. Stoican** și S. Oлару, “Improved fault detection and isolation strategy using a bank of interval observers”, în *19th IFAC World Congress on International Federation of Automatic Control, IFAC 2014*, pp. 8024–8029 (6 pagini), 2014. ISBN: 9783902823625.
Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*
 EID: 2-s2.0-84929815826.
 BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929815826&partnerID=40&md5=a941d1d23997cf7ed313a73d457ba788>).
- [C33] Necoara, I., **F. Stoican**, D. Clipici, A. Patrascu și M. Hovd, “A linear MPC algorithm for embedded systems with computational complexity guarantees”, în *2014 18th International Conference on System Theory, Control and Computing, ICSTCC 2014*, pp. 363–368 (6 pagini), 2014. ISBN: 9781479946013.
Publicat de: *IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)*
 DOI: 10.1109/ICSTCC.2014.6982443. EID: 2-s2.0-84929431542.
 BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929431542&doi=10.1109%2fICSTCC.2014.6982443&partnerID=40&md5=0df65e98aa8de3b0cfaa9d36e916ad49>).
- [C34] Xu, F., V. Puig, C. Ocampo-Martinez, **F. Stoican** și S. Oлару, “Closed-loop actuator-fault detection and isolation using invariant sets and tubes”, în *19th IFAC World Congress on International Federation of Automatic Control, IFAC 2014*, pp. 8030–8035 (6 pagini), 2014. ISBN:

9783902823625.

Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*

EID: 2-s2.0-84929773777.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929773777&partnerID=40&md5=cb34ebc1f173db8d8570fa730c83e8e1>).

- [C35] **Stoican, F.** și M. Hovd, “Some remarks upon the characteristics of the explicit representation of the MPC problem”, în *4th IFAC Conference on Nonlinear Model Predictive Control, NMPC’12*, pp. 126–131 (6 pagini), 2012. ISBN: 9783902823076.

Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*

DOI: 10.3182/20120823-5-NL-3013.00079. EID: 2-s2.0-84867056750.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867056750&doi=10.3182%2f20120823-5-NL-3013.00079&partnerID=40&md5=4648d6ac12bd3fccda089014da6f3bda>).

- [C36] Marafioti, G., **F. Stoican**, R. Bitmead și M. Hovd, “Persistently exciting model predictive control for SISO systems”, în *4th IFAC Conference on Nonlinear Model Predictive Control, NMPC’12*, pp. 448–453 (6 pagini), 2012. ISBN: 9783902823076.

Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*

DOI: 10.3182/20120823-5-NL-3013.00054. EID: 2-s2.0-84867067744.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867067744&doi=10.3182%2f20120823-5-NL-3013.00054&partnerID=40&md5=abce00b3c3bd0855d8d4481447d73baa>).

Citări: Scopus: **5** Web of Science: **2**.

- [C37] Stanković, N., **F. Stoican**, S. Oлару și S.-I. Niculescu, “Reference governor design with guarantees of detection for delay variation”, în *10th IFAC Workshop on Time Delay Systems, TDS-2012*, pp. 67–72 (6 pagini), 2012. ISBN: 9783902823045.

Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*

DOI: 10.3182/20120622-3-US-4021.00055. EID: 2-s2.0-84866126775.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866126775&doi=10.3182%2f20120622-3-US-4021.00055&partnerID=40&md5=2f03f8341c795dc77e68c6ef2c2ad4f7>).

Citări: Scopus: **6** Web of Science: **3**.

- [C38] **Stoican, F.**, S. Oлару, J. DeDoná și M. Seron, “Zonotopic ultimate bounds for linear systems with bounded disturbances”, în *18th IFAC World Congress*, pp. 9224–9229 (6 pagini), 2011. ISBN: 9783902661937.

Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*

DOI: 10.3182/20110828-6-IT-1002.03247. EID: 2-s2.0-84866769502.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866769502&doi=10.3182%2f20110828-6-IT-1002.03247&partnerID=40&md5=5cf30de62c4f5ce39d088b285e60a1ed>).

Citări: Scopus: **5** Web of Science: **3**.

- [C39] **Stoican, F.**, C. Raduinea și S. Oлару, “Adaptation of set theoretic methods to the fault detection of a wind turbine benchmark”, în *18th IFAC World Congress*, pp. 8322–8327 (6 pagini), 2011. ISBN: 9783902661937.

Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*

DOI: 10.3182/20110828-6-IT-1002.01842. EID: 2-s2.0-84864613111.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84864613111&doi=10.3182%2f20110828-6-IT-1002.01842&partnerID=40&md5=fa9cdf90040be794b9a85d76b22e6997>).

Citări: Scopus: **22** Web of Science: **16**.

- [C40] Olaru, S., **F. Stoican**, J. DeDoná și M. Seron, “Necessary and sufficient conditions for sensor recovery in a multisensor control scheme”, în *7th IFAC International Symposium on Fault Detection, Supervision and Safety of Technical Systems, SAFEPROCESS’09*, pp. 977–982 (6 pagini), 2009. ISBN: 9783902661463.

Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*

DOI: 10.3182/20090630-4-ES-2003.0388. EID: 2-s2.0-77957793634.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77957793634&doi=10.3182%2f20090630-4-ES-2003.0388&partnerID=40&md5=ffd6a0ec513d92be65d669ddfa69636c>).

Citări: Scopus: **3** Web of Science: **2**.

id	nr. autori		punctaj
[C29]	4	20/4	5
[C30]	3	20/3	6.67
[C31]	4	20/4	5
[C32]	5	20/5	4
[C33]	5	20/5	4
[C34]	5	20/5	4
[C35]	2	20/2	10
[C36]	4	20/4	5
[C37]	4	20/4	5
[C38]	4	20/4	5
[C39]	3	20/3	6.67
[C40]	4	20/4	5
total			65.34

Punctaj pentru categoria **A2.2**: $0 + 65.34 = 65.34$ p

A2.3 Proprietate intelectuală, brevete de invenție, certificate ORDA

A2.3.1 Internaționale

Nu există.

Punctaj pentru categoria **A2.3.1**: 0 p

A2.3.2 Naționale

Nu există.

Punctaj pentru categoria **A2.3.2**: 0 p

A2.4 Granturi / proiecte câștigate prin competiție

A2.4.1 Director / responsabil partener

A2.4.1.1 Internaționale

Nu există.

Punctaj pentru categoria **A2.4.1.1**: 0 p

A2.4.1.2 Naționale

Am fost director / responsabil partener pentru **2** proiecte naționale:

1. director al unui proiect “Tânăra Echipă” cu următoarele detalii:

cod înscriere	PN-II-RU-TE-2014-4-2713
nr. contract UEFISCDI	300/1.10.2015
titlu	“Abordări cu mulțimi pentru reglarea tolerantă la defecte a sistemelor complexe (SETS2FTC)”
durată	1 octombrie 2015 – 30 noiembrie 2017 (2 ani și 2 luni)
valoarea contractului	498 400 RON

2. responsabil partener (din partea UPB) al unui proiect “Cec de Inovare” cu următoarele detalii:

cod înscriere	PN-III-P2-2.1-CI-2017-0403
nr. contract UEFISCDI	49CI/2017
titlu	“Dezvoltarea și implementarea de algoritmi pentru navigarea în medii dinamice a platformelor robotice / Implementation and development of algorithms for the dynamic motion planning of robotic systems (DEVROS)”
durată	25 iulie 2017 – 31 decembrie 2017 (6 luni)
valoarea contractului	48 341 RON

Punctaj pentru categoria **A2.4.1.2**: $(2 + 0.5) \times 10p = 25p$

A2.4.2 Membru în echipă

A2.4.2.1 Internaționale

Nu există.

Punctaj pentru categoria **A2.4.2.1**: 0p

A2.4.2.2 Naționale

Am fost / sunt membru de echipă în **6** proiecte naționale:

1. al unui proiect PN-II “Idei”:

cod înscriere PN-II-ID-PCE-2011-3-0235
titlu “Robust control in nonstandard cases”
durată octombrie 2011 - octombrie 2016 (5 ani; 1 an ca membru de echipă)

2. al unui proiect PN-III “Bridge Grant”:

cod înscriere PN-III-CERC-CO-BG
titlu “Sistem multi-dronă de evaluare a efectelor inundațiilor (SIMUL)”
durată noiembrie 2016 - septembrie 2018 (2 ani)

3. a două proiecte supervizate ESA:

cod înscriere 4000119953/17/F/JLV
titlu “Advanced Control Techniques for Future Launchers (ACTFL)”
durată aprilie 2017 - septembrie 2020 (3 ani, 2 ani ca membru de echipă)

4. și:

cod înscriere RVX 2016
titlu “Non Cooperative RV Experiment phases C/D/E1 (PROBA-3)”
durată aprilie 2017 - septembrie 2020 (3 ani)

5. a două proiecte ROSA-STAR:

cod înscriere 71/2013
titlu “Multisensory robotic system for aerial monitoring of critical infrastructure systems (MUROS)”
durată iulie 2017 - decembrie 2020 (3 ani)

6. și:

cod înscriere C3/2016
titlu “Sistem robotic aerian integrat multiagent pentru explorarea regiunilor de interes terestre (MAARS)”
durată octombrie 2017 - octombrie 2019 (2 ani)

Punctaj pentru categoria **A2.4.2.2**: $(1 + 2 + 2 + 3 + 3 + 2) \times 2p = 26 p$

A3 Recunoașterea și impactul activității

A3.1 Citări în cărți, reviste și volume ale unor manifestări științifice

A3.1.1 cărți, ISI

Excluzând auto-citările, **33** dintre lucrările mele sunt citate de **200** ori în următoarele **134** articole indexate ISI.

- [WoS1] Ghasemi, M. S. și A. A. Afzalian, “Invariant convex approximations of the minimal robust invariant set for linear difference inclusions”, *Nonlinear Analysis: Hybrid Systems*, pp. 289–297, 2018. ISSN: 1751-570X.
Publicat de: *ELSEVIER SCI LTD (THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, OXON, ENGLAND)*
 DOI: [10.1016/j.nahs.2017.09.001](https://doi.org/10.1016/j.nahs.2017.09.001). WOS: 000417017100020. EID: 2-s2.0-85032031235.
IF: 3.96 [din JCR 2016, valabil la data depunerii]. Q1 (AUTOMATION & CONTROL SYSTEMS - 8/60); Q1 (MATHEMATICS, APPLIED - 2/255) [din JCR 2016, valabil la data depunerii].
- [WoS2] Boisseau, B., J. J. Martinez, T. Raharijaona, S. Durand și N. Marchand, “Event-switched control design with guaranteed performances”, *International Journal of Robust and Nonlinear Control*, pp. 2492–2509, 2017. 15, ISSN: 1049-8923.
Publicat de: *WILEY (111 RIVER ST, HOBOKEN 07030-5774, NJ USA)*
 DOI: [10.1002/rnc.3692](https://doi.org/10.1002/rnc.3692). WOS: 000409890000002. EID: 2-s2.0-84995947028.
IF: 3.39 [din JCR 2016, valabil la data depunerii]. Q1 (AUTOMATION & CONTROL SYSTEMS - 12/60); Q1 (ENGINEERING, ELECTRICAL & ELECTRONIC - 48/259); Q1 (MATHEMATICS, APPLIED - 4/255) [din JCR 2016, valabil la data depunerii].
- [WoS3] Xu, F., V. Puig, C. Ocampo-Martinez și X. Wang, “Set-valued observer-based active fault-tolerant model predictive control”, *Optimal Control Applications and Methods*, pp. 683–708, 2017. 5, ISSN: 0143-2087.
Publicat de: *WILEY (111 RIVER ST, HOBOKEN 07030-5774, NJ USA)*
 DOI: [10.1002/oca.2284](https://doi.org/10.1002/oca.2284). WOS: 000409902900001. EID: 2-s2.0-84990966964.
IF: 1.56 [din JCR 2016, valabil la data depunerii]. Q3 (AUTOMATION & CONTROL SYSTEMS - 36/60); Q1 (MATHEMATICS, APPLIED - 49/255); Q2 (OPERATIONS RESEARCH & MANAGEMENT SCIENCE - 39/83) [din JCR 2016, valabil la data depunerii].
- [WoS4] Le Mezo, T., L. Jaulin și B. Zerr, “An Interval Approach to Compute Invariant Sets”, *IEEE Transactions on Automatic Control*, pp. 4236–4242, 2017. 8, ISSN: 0018-9286.
Publicat de: *IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC (445 HOES LANE, PISCATAWAY, NJ 08855-4141 USA)*
 DOI: [10.1109/TAC.2017.2685241](https://doi.org/10.1109/TAC.2017.2685241). WOS: 000406395900057. EID: 2-s2.0-85029300537.
IF: 4.27 [din JCR 2016, valabil la data depunerii]. Q1 (AUTOMATION & CONTROL SYSTEMS - 7/60); Q1 (ENGINEERING, ELECTRICAL & ELECTRONIC - 28/259) [din JCR 2016, valabil la data depunerii].
- [WoS5] Tan, J., B. Liang și X. Wang, “Robust actuator fault estimation combining unknown input observer and invariant set approach”, în *29th Chinese Control and Decision Conference, CCDC 2017*, pp. 7360–7365, 2017. ISBN: 9781509046560.
Publicat de: *IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)*
 DOI: [10.1109/CCDC.2017.7978515](https://doi.org/10.1109/CCDC.2017.7978515). WOS: 000427082202140. EID: 2-s2.0-85028065209.
- [WoS6] Wang, Y., T. Alamo, V. Puig și G. Cembrano, “Distributed Zonotopic Set-Membership State Estimation based on Optimization Methods with Partial Projection”, în *20th World Congress of the International-Federation-of-Automatic-Control (IFAC)*, pp. 4039–4044, 2017.
Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*
 DOI: [10.1016/j.ifacol.2017.08.722](https://doi.org/10.1016/j.ifacol.2017.08.722). WOS: 000423964800169. EID: 2-s2.0-85031790339.
- [WoS7] Khandelwal, D., S. Weiland și A. Khalate, “Robust Fault Diagnosis by Optimal Input Design for Self-sensing Systems”, în *20th World Congress of the International-Federation-of-Automatic-Control (IFAC)*, pp. 1031–1036, 2017.
Publicat de: *ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)*
 DOI: [10.1016/j.ifacol.2017.08.213](https://doi.org/10.1016/j.ifacol.2017.08.213). WOS: 000423845200168. EID: 2-s2.0-85031793820.

- [WoS8] Kodakkadan, A. R., M. Poursaghar, V. Puig, S. Oлару, C. Ocampo-Martinez și V. Reppa, “Observer-based Sensor Fault Detectability: About Robust Positive Invariance Approach and Residual Sensitivity”, în *20th World Congress of the International-Federation-of-Automatic-Control (IFAC)*, pp. 5041–5046, 2017.
Publicat de: ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)
 DOI: [10.1016/j.ifacol.2017.08.926](https://doi.org/10.1016/j.ifacol.2017.08.926). WOS: 000423964800331. EID: 2-s2.0-85031772182.
- [WoS9] Xu, F., S. Oлару, V. Puig, C. Ocampo-Martinez și S.-I. Niculescu, “Sensor-fault tolerance using robust MPC with set-based state estimation and active fault isolation”, *International Journal of Robust and Nonlinear Control*, pp. 1260–1283, 2017. 8, ISSN: 1049-8923.
Publicat de: WILEY (111 RIVER ST, HOBOKEN 07030-5774, NJ USA)
 DOI: [10.1002/rnc.3627](https://doi.org/10.1002/rnc.3627). WOS: 000398786800003. EID: 2-s2.0-84981730458.
IF: 3.39 [din JCR 2016, valabil la data depunerii]. **Q1** (AUTOMATION & CONTROL SYSTEMS - 12/60); **Q1** (ENGINEERING, ELECTRICAL & ELECTRONIC - 48/259); **Q1** (MATHEMATICS, APPLIED - 4/255) [din JCR 2016, valabil la data depunerii].
- [WoS10] Xu, F., V. Puig, C. Ocampo-Martinez, S. Oлару și S.-I. Niculescu, “Robust MPC for actuator-fault tolerance using set-based passive fault detection and active fault isolation”, *International Journal of Applied Mathematics and Computer Science*, pp. 43–61, 2017. 1, ISSN: 1641-876X..
Publicat de: UNIV ZIELONA GORA PRESS (UL PODGORNA 50, ZIELONA GORA, 65-246, POLAND)
 DOI: [10.1515/amcs-2017-0004](https://doi.org/10.1515/amcs-2017-0004). WOS: 000399478100004. EID: 2-s2.0-85017369688.
IF: 1.42 [din JCR 2016, valabil la data depunerii]. **Q3** (AUTOMATION & CONTROL SYSTEMS - 40/60); **Q3** (COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - 81/132); **Q1** (MATHEMATICS, APPLIED - 61/255) [din JCR 2016, valabil la data depunerii].
- [WoS11] Zarch, M. G., V. Puig și J. Poshtan, “Fault Detection and Isolation using Viability Theory and Interval Observers”, în *13th European Workshop on Advanced Control and Diagnosis, ACD 2016*, pp., 2017.
Publicat de: IOP PUBLISHING LTD (DIRAC HOUSE, TEMPLE BACK, BRISTOL BS1 6BE, ENGLAND)
 DOI: [10.1088/1742-6596/783/1/012004](https://doi.org/10.1088/1742-6596/783/1/012004). WOS: 000399400800004. EID: 2-s2.0-85013020904.
- [WoS12] Blanchini, F., D. Casagrande, G. Giordano, S. Miani, S. Oлару și V. Reppa, “Active fault isolation: A duality-based approach via convex programming”, *SIAM Journal on Control and Optimization*, pp. 1619–1640, 2017. 3, ISSN: 0363-0129.
Publicat de: SIAM PUBLICATIONS (3600 UNIV CITY SCIENCE CENTER, PHILADELPHIA, PA 19104-2688 USA)
 DOI: [10.1137/15M1046046](https://doi.org/10.1137/15M1046046). WOS: 000404771700011. EID: 2-s2.0-85021776489.
IF: 1.45 [din JCR 2016, valabil la data depunerii]. **Q3** (AUTOMATION & CONTROL SYSTEMS - 38/60); **Q1** (MATHEMATICS, APPLIED - 58/255) [din JCR 2016, valabil la data depunerii].
- [WoS13] Xu, F., J. Tan, X. Wang, V. Puig, B. Liang, B. Yuan și H. Liu, “Analysis of set-theoretic unknown input observer and interval observer in robust fault detection”, în *55th IEEE Conference on Decision and Control, CDC 2016*, pp. 1291–1296, 2016. ISBN: 9781509018376.
Publicat de: IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)
 DOI: [10.1109/CDC.2016.7798444](https://doi.org/10.1109/CDC.2016.7798444). WOS: 000400048101075. EID: 2-s2.0-85010755644.
- [WoS14] Rodriguez-Obando, D., O. J. Martinez și C. Berenguer, “Set-invariance analysis for deterioration prediction on a roller-on-tire actuator”, în *3rd Conference on Control and Fault-Tolerant Systems, SysTol 2016*, pp. 87–92, 2016. ISBN: 9781509006588.
Publicat de: IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)
 DOI: [10.1109/SYSTOL.2016.7739733](https://doi.org/10.1109/SYSTOL.2016.7739733). WOS: 000391868600014. EID: 2-s2.0-85002202464.

- [WoS15] Kodakkadan, A. R., V. Reppa și S. Oлару, “Switching-stable control mechanism in the presence of guaranteed detectable sensor faults”, în *3rd Conference on Control and Fault-Tolerant Systems, SysTol 2016*, pp. 93–98, 2016. ISBN: 9781509006588.
Publicat de: *IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)*
 DOI: [10.1109/SYSTOL.2016.7739734](https://doi.org/10.1109/SYSTOL.2016.7739734). WOS: 000391868600015. EID: 2-s2.0-85002188929.
- [WoS16] Meslem, N., “New idea to design linear interval observers”, în *3rd International Conference on Control, Decision and Information Technologies, CoDIT 2016*, pp. 460–465, 2016.
Publicat de: *IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)*
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BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867067744&doi=10.3182%2f20120823-5-NL-3013.00054&partnerID=40&md5=abce00b3c3bd0855d8d4481447d73baa>). Citat de 2 ori:

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IF: 1.45 [din JCR 2016, valabil la data depunerii]. **Q3** (AUTOMATION & CONTROL SYSTEMS - 38/60); **Q1** (MATHEMATICS, APPLIED - 58/255) [din JCR 2016, valabil la data depunerii].
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nr.	id articol citat	id articol care citează	nr. autori	Q1/Q2/Q3		punctaj
1	[J13]	[WoS1]	4	1	$2 \times 8/4$	4
2	[J13]	[WoS2]	4	1	$2 \times 8/4$	4
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4	[J13]	[WoS4]	4	1	$2 \times 8/4$	4
5	[J13]	[WoS5]	4	-	$1 \times 8/4$	2
6	[J13]	[WoS6]	4	-	$1 \times 8/4$	2
7	[J13]	[WoS7]	4	-	$1 \times 8/4$	2
8	[J13]	[WoS8]	4	-	$1 \times 8/4$	2
9	[J13]	[WoS9]	4	1	$2 \times 8/4$	4
10	[J13]	[WoS10]	4	1	$2 \times 8/4$	4
11	[J13]	[WoS11]	4	-	$1 \times 8/4$	2

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14	[J13]	[WoS14]	4	-	$1 \times 8/4$	2
15	[J13]	[WoS15]	4	-	$1 \times 8/4$	2
16	[J13]	[WoS16]	4	-	$1 \times 8/4$	2
17	[J13]	[WoS17]	4	1	$2 \times 8/4$	4
18	[J13]	[WoS18]	4	3	$1 \times 8/4$	2
19	[J13]	[WoS19]	4	1	$2 \times 8/4$	4
20	[J13]	[WoS20]	4	-	$1 \times 8/4$	2
21	[J13]	[WoS25]	4	2	$2 \times 8/4$	4
22	[J13]	[WoS22]	4	-	$1 \times 8/4$	2
23	[J13]	[WoS23]	4	2	$2 \times 8/4$	4
24	[J13]	[WoS24]	4	-	$1 \times 8/4$	2
25	[J13]	[WoS25]	4	-	$1 \times 8/4$	2
26	[J13]	[WoS26]	4	-	$1 \times 8/4$	2
27	[J13]	[WoS27]	4	-	$1 \times 8/4$	2
28	[J13]	[WoS28]	4	1	$2 \times 8/4$	4
29	[J13]	[WoS29]	4	-	$1 \times 8/4$	2
30	[J13]	[WoS30]	4	1	$2 \times 8/4$	4
31	[J13]	[WoS31]	4	-	$1 \times 8/4$	2
32	[J13]	[WoS32]	4	-	$1 \times 8/4$	2
33	[J13]	[WoS33]	4	2	$2 \times 8/4$	4
34	[J13]	[WoS34]	4	-	$1 \times 8/4$	2
35	[J13]	[WoS35]	4	-	$1 \times 8/4$	2
36	[J13]	[WoS36]	4	1	$2 \times 8/4$	4
37	[J13]	[WoS37]	4	-	$1 \times 8/4$	2
38	[J13]	[WoS38]	4	-	$1 \times 8/4$	2
39	[J13]	[Book1]	4	-	$1 \times 8/4$	2

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41	[J13]	[WoS40]	4	-	$1 \times 8/4$	2
42	[J13]	[WoS41]	4	1	$2 \times 8/4$	4
43	[J13]	[WoS42]	4	-	$1 \times 8/4$	2
44	[J12]	[WoS9]	4	1	$2 \times 8/4$	4
45	[J12]	[WoS12]	4	1	$2 \times 8/4$	4
46	[J12]	[WoS43]	4	1	$2 \times 8/4$	4
47	[J12]	[WoS20]	4	-	$1 \times 8/4$	2
48	[J12]	[WoS25]	4	2	$2 \times 8/4$	4
49	[J12]	[WoS44]	4	-	$1 \times 8/4$	2
50	[J12]	[WoS45]	4	1	$2 \times 8/4$	4
51	[J12]	[WoS28]	4	1	$2 \times 8/4$	4
52	[J12]	[WoS46]	4	1	$2 \times 8/4$	4
53	[J12]	[WoS47]	4	1	$2 \times 8/4$	4
54	[J12]	[WoS48]	4	1	$2 \times 8/4$	4
55	[J12]	[WoS49]	4	1	$2 \times 8/4$	4
56	[J12]	[WoS50]	4	1	$2 \times 8/4$	4
57	[J12]	[WoS51]	4	-	$1 \times 8/4$	2
58	[J12]	[WoS52]	4	2	$2 \times 8/4$	4
59	[J12]	[WoS42]	4	-	$1 \times 8/4$	2
60	[C39]	[WoS53]	3	1	$2 \times 8/3$	5.33
61	[C39]	[WoS7]	3	-	$1 \times 8/3$	2.67
62	[C39]	[WoS54]	3	3	$1 \times 8/3$	2.67
63	[C39]	[WoS55]	3	-	$1 \times 8/3$	2.67
64	[C39]	[WoS56]	3	2	$2 \times 8/3$	5.33
65	[C39]	[WoS57]	3	1	$2 \times 8/3$	5.33
66	[C39]	[WoS58]	3	1	$2 \times 8/3$	5.33
67	[C39]	[WoS59]	3	1	$2 \times 8/3$	5.33

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68	[C39]	[WoS61]	3	2	$2 \times 8/3$	5.33
69	[C39]	[WoS61]	3	2	$2 \times 8/3$	5.33
70	[C39]	[WoS62]	3	-	$1 \times 8/3$	2.67
71	[C39]	[WoS63]	3	-	$1 \times 8/3$	2.67
72	[C39]	[WoS64]	3	-	$1 \times 8/3$	2.67
73	[C39]	[WoS65]	3	1	$2 \times 8/3$	5.33
74	[C39]	[WoS66]	3	-	$1 \times 8/3$	2.67
75	[C39]	[WoS67]	3	2	$2 \times 8/3$	5.33
76	[J11]	[WoS68]	4	-	$1 \times 8/4$	2
77	[J11]	[WoS69]	4	-	$1 \times 8/4$	2
78	[J11]	[WoS70]	4	1	$2 \times 8/4$	4
79	[J11]	[WoS71]	4	1	$2 \times 8/4$	4
80	[J11]	[WoS72]	4	3	$1 \times 8/4$	2
81	[J11]	[WoS73]	4	3	$1 \times 8/4$	2
82	[J11]	[WoS74]	4	1	$2 \times 8/4$	4
83	[J11]	[WoS75]	4	2	$2 \times 8/4$	4
84	[J11]	[WoS76]	4	-	$1 \times 8/4$	2
85	[J11]	[WoS77]	4	1	$2 \times 8/4$	4
86	[J11]	[WoS78]	4	-	$1 \times 8/4$	2
87	[J11]	[WoS42]	4	-	$1 \times 8/4$	2
88	[J5]	[WoS12]	5	1	$2 \times 8/5$	3.2
89	[J5]	[WoS15]	5	-	$1 \times 8/5$	1.6
90	[J5]	[Book2]	5	-	$1 \times 8/5$	1.6
91	[J5]	[WoS79]	5	-	$1 \times 8/5$	1.6
92	[J5]	[WoS22]	5	-	$1 \times 8/5$	1.6
93	[J5]	[WoS24]	5	-	$1 \times 8/5$	1.6
94	[J5]	[WoS26]	5	-	$1 \times 8/5$	1.6
95	[J5]	[WoS32]	5	-	$1 \times 8/5$	1.6

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96	[J5]	[WoS34]	5	-	1 × 8/5	1.6
97	[J5]	[WoS35]	5	-	1 × 8/5	1.6
98	[J5]	[WoS37]	5	-	1 × 8/5	1.6
99	[C40]	[WoS29]	4	-	1 × 8/4	2
100	[C40]	[WoS41]	4	1	2 × 8/4	4
101	[J9]	[WoS3]	5	1	2 × 8/5	3.2
102	[J9]	[WoS80]	5	3	1 × 8/5	1.6
103	[J9]	[WoS12]	5	1	2 × 8/5	3.2
104	[J9]	[WoS16]	5	-	1 × 8/5	1.6
105	[J9]	[WoS81]	5	-	1 × 8/5	1.6
106	[J9]	[WoS82]	5	3	1 × 8/5	1.6
107	[J9]	[WoS83]	5	-	1 × 8/5	1.6
108	[J9]	[WoS34]	5	-	1 × 8/5	1.6
109	[J9]	[WoS35]	5	-	1 × 8/5	1.6
110	[J9]	[WoS84]	5	2	2 × 8/5	3.2
111	[J4]	[WoS85]	3	-	1 × 8/3	2.67
112	[J4]	[WoS86]	3	1	2 × 8/3	5.33
113	[J4]	[WoS87]	3	-	1 × 8/3	2.67
114	[J4]	[WoS88]	3	1	2 × 8/3	5.33
115	[J4]	[WoS89]	3	1	2 × 8/3	5.33
116	[J4]	[WoS90]	3	1	2 × 8/3	5.33
117	[J4]	[WoS91]	3	-	1 × 8/3	2.67
118	[J4]	[WoS92]	3	2	2 × 8/3	5.33
119	[J4]	[WoS93]	3	1	2 × 8/3	5.33
120	[J4]	[WoS94]	3	-	1 × 8/3	2.67
121	[C38]	[WoS8]	4	-	1 × 8/4	2
122	[C38]	[WoS95]	4	-	1 × 8/4	2
123	[C38]	[WoS96]	4	1	2 × 8/4	4

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124	[C20]	[WoS97]	3	1	$2 \times 8/3$	5.33
125	[J7]	[WoS98]	2	-	$1 \times 8/2$	4
126	[J7]	[WoS99]	2	-	$1 \times 8/2$	4
127	[J7]	[WoS100]	2	-	$1 \times 8/2$	4
128	[J7]	[WoS101]	2	-	$1 \times 8/2$	4
129	[J7]	[WoS102]	2	-	$1 \times 8/2$	4
130	[J7]	[WoS20]	2	-	$1 \times 8/2$	4
131	[C16]	[WoS103]	5	-	$1 \times 8/5$	1.6
132	[C16]	[WoS13]	5	-	$1 \times 8/5$	1.6
133	[C16]	[WoS104]	5	-	$1 \times 8/5$	1.6
134	[C36]	[WoS105]	4	-	$1 \times 8/4$	2
135	[C36]	[WoS106]	4	-	$1 \times 8/4$	2
136	[C37]	[WoS36]	4	1	$2 \times 8/4$	4
137	[C37]	[WoS51]	4	-	$1 \times 8/4$	2
138	[C37]	[WoS107]	4	1	$2 \times 8/4$	4
139	[C9]	[WoS108]	3	-	$1 \times 8/3$	2.67
140	[C14]	[WoS109]	5	-	$1 \times 8/5$	1.6
141	[J10]	[WoS12]	3	1	$2 \times 8/3$	5.33
142	[J10]	[WoS16]	3	-	$1 \times 8/3$	2.67
143	[J10]	[WoS26]	3	-	$1 \times 8/3$	2.67
144	[J10]	[WoS110]	3	3	$1 \times 8/3$	2.67
145	[J10]	[WoS37]	3	-	$1 \times 8/3$	2.67
146	[J8]	[WoS33]	4	2	$2 \times 8/4$	4
147	[J8]	[Book3]	4	-	$1 \times 8/4$	2
148	[C11]	[WoS11]	5	-	$1 \times 8/5$	1.6
149	[C11]	[WoS111]	5	-	$1 \times 8/5$	1.6
150	[C11]	[WoS104]	5	-	$1 \times 8/5$	1.6
151	[C18]	[WoS75]	3	2	$2 \times 8/3$	5.33

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153	[C24]	[Book3]	3	-	$1 \times 8/3$	2.67
154	[C5]	[WoS113]	2	-	$1 \times 8/2$	4
155	[J8]	[WoS15]	4	-	$1 \times 8/4$	2
156	[J8]	[WoS31]	4	-	$1 \times 8/4$	2
157	[J8]	[WoS114]	4	2	$2 \times 8/4$	4
158	[C10]	[WoS69]	3	-	$1 \times 8/3$	2.67
159	[C10]	[WoS74]	3	1	$2 \times 8/3$	5.33
160	[C10]	[WoS75]	3	2	$2 \times 8/3$	5.33
161	[J2]	[WoS115]	4	-	$1 \times 8/4$	2
162	[J2]	[WoS116]	4	2	$2 \times 8/4$	4
163	[J5]	[WoS3]	5	1	$2 \times 8/5$	3.2
164	[J5]	[WoS32]	5	-	$1 \times 8/5$	1.6
165	[B2]	[WoS117]	5	1	$2 \times 8/5$	3.2
166	[C15]	[WoS118]	3	1	$2 \times 8/3$	5.33
167	[B1]	[WoS118]	3	1	$2 \times 8/3$	5.33
168	[C29]	[WoS69]	4	-	$1 \times 8/4$	2
169	[C12]	[WoS119]	5	-	$1 \times 8/5$	1.6
170	[B4]	[WoS120]	4	-	$1 \times 8/4$	2
171	[J1]	[WoS121]	3	-	$1 \times 8/3$	2.67
172	[J4]	[WoS122]	3	-	$1 \times 8/3$	2.67
173	[J4]	[WoS123]	3	2	$2 \times 8/3$	5.33
174	[C16]	[WoS124]	5	1	$2 \times 8/5$	3.2
175	[C11]	[WoS8]	5	-	$1 \times 8/5$	1.6
176	[C13]	[WoS125]	5	-	$1 \times 8/5$	1.6
177	[J11]	[WoS126]	4	-	$1 \times 8/4$	2
178	[J11]	[WoS125]	4	-	$1 \times 8/4$	2
179	[J12]	[WoS127]	4	-	$1 \times 8/4$	2

...continuare

nr.	id articol citat	id articol care citează	nr. autori	Q1/Q2/Q3		punctaj
180	[J12]	[WoS128]	4	1	$2 \times 8/4$	4
181	[B3]	[WoS15]	2	-	$1 \times 8/2$	4
182	[B3]	[WoS26]	2	-	$1 \times 8/2$	4
183	[B3]	[WoS22]	2	-	$1 \times 8/2$	4
184	[B3]	[WoS129]	2	-	$1 \times 8/2$	4
185	[B3]	[WoS24]	2	-	$1 \times 8/2$	4
186	[B3]	[WoS34]	2	-	$1 \times 8/2$	4
187	[B3]	[WoS12]	2	1	$2 \times 8/2$	8
188	[B3]	[WoS79]	2	-	$1 \times 8/2$	4
189	[B3]	[WoS37]	2	-	$1 \times 8/2$	4
190	[B3]	[WoS32]	2	-	$1 \times 8/2$	4
191	[B3]	[WoS35]	2	-	$1 \times 8/2$	4
192	[J13]	[WoS130]	4	-	$1 \times 8/4$	2
193	[J13]	[WoS127]	4	-	$1 \times 8/4$	2
194	[J13]	[WoS131]	4	-	$1 \times 8/4$	2
195	[J13]	[WoS132]	4	-	$1 \times 8/4$	2
196	[J13]	[WoS128]	4	1	$2 \times 8/4$	4
197	[J13]	[WoS133]	4	-	$1 \times 8/4$	2
198	[J13]	[WoS134]	4	-	$1 \times 8/4$	2
199	[J13]	[WoS129]	4	-	$1 \times 8/4$	2
200	[C24]	[WoS129]	3	-	$1 \times 8/3$	2.67
total						614.53

Punctaj pentru categoria **A3.1.1**: 614.53 p

A3.1.2 BDI

Excluzând auto-citările, **17** dintre lucrările mele sunt citate de **45** ori (se exclud din enumerare citările făcute în articole ISI și cărți) în următoarele **33** de articole indexate BDI.

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IF: 0.6 [din JCR 2016, valabil la data depunerii]. Q3 (COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - 120/132); Q3 (ENGINEERING, ELECTRICAL & ELECTRONIC - 225/259) [din JCR 2016, valabil la data depunerii].
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IF: 2.7 [din JCR 2016, valabil la data depunerii]. Q2 (AUTOMATION & CONTROL SYSTEMS - 16/60); Q2 (ENGINEERING, CHEMICAL - 38/133) [din JCR 2016, valabil la data depunerii].

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Publicat de: IFAC Secretariat

EID: 2-s2.0-84929774235.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929774235&partnerID=40&md5=1ea9d09b1780d709047a42c7148162ad>).

4. [BDI15]: Odgaard, P. și J. Stoustrup, “Karhunen loeve basis used for detection of gearbox faults in a wind turbine”, în *19th IFAC World Congress on International Federation of Automatic Control, IFAC 2014*, pp. 8891–8896, 2014. ISBN: 9783902823625.

Publicat de: IFAC Secretariat

EID: 2-s2.0-84929783159.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929783159&partnerID=40&md5=deef31c40739b9e39569524cf39fdee>).

5. [BDI16]: Odgaard, P. și J. Stoustrup, “Fault tolerant control of wind turbines using unknown input observers”, în *8th IFAC Symposium on Fault Detection, Supervision and Safety of Technical Processes, SAFEPROCESS 2012*, pp. 313–318, 2012. ISBN: 9783902823090.

DOI: 10.3182/20120829-3-MX-2028.00010. EID: 2-s2.0-84867070587.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867070587&doi=10.3182%2f20120829-3-MX-2028.00010&partnerID=40&md5=5312c83e4382c8061ebc1aa1df1f2799>).

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DOI: 10.3182/20120829-3-MX-2028.00015. EID: 2-s2.0-84867041715.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867041715&doi=10.3182%2f20120829-3-MX-2028.00015&partnerID=40&md5=888bb752028773578d36c4921c5e97ca>).

- [C20] **Stoican, F.**, I. Prodan și S. Oлару, “On the hyperplanes arrangements in mixed-integer techniques”, în *2011 American Control Conference, ACC 2011*, pp. 1898–1903 (6 pagini), 2011. ISBN: 9781457700804.

Publicat de: *IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)*

WOS: 000295376002086. EID: 2-s2.0-80053161211.

IF: 0.75.

Citat de **3** ori:

1. [BDI22]: Prodan, I., G. Bitsoris, S. Oлару, C. Stoica și S.-I. Niculescu, “On the limit behavior for multi-agent dynamical systems”, în *3rd IFAC Workshop on Navigation, Guidance and Control of Underwater Vehicles, NGCUV 2012*, pp. 106–111, 2012. ISBN: 9783902823199.

EID: 2-s2.0-84880861450.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880861450&partnerID=40&md5=77ae72e642aadca9696ff6242f99c70e>).

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DOI: 10.1007/978-3-642-30947-2_60. EID: 2-s2.0-84863514765.

BDI: Scopus (https://www.scopus.com/inward/record.uri?eid=2-s2.0-84863514765&doi=10.1007%2f978-3-642-30947-2_60&partnerID=40&md5=c608350be6c56cd3baa45b2f84b6e43c).

3. [BDI24]: Prodan, I., S. Oлару, C. Stoica și S.-I. Niculescu, “Predictive control for tight group formation of multi-agent systems”, în *18th IFAC World Congress*, pp. 138–143, 2011. ISBN: 9783902661937.

DOI: 10.3182/20110828-6-IT-1002.02760. EID: 2-s2.0-84863531683.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84863531683&doi=10.3182%2f20110828-6-IT-1002.02760&partnerID=40&md5=582d89dea2fde7e3ee75df3166621b06>).

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Publicat de: *TAYLOR & FRANCIS LTD (4 PARK SQUARE, MILTON PARK, ABINGDON OX14 4RN, OXON, ENGLAND)*

DOI: 10.1080/00207179.2010.535215. WOS: 000285354700018. EID: 2-s2.0-78650359008.

IF: 2.21 [din JCR 2016, valabil la data depunerii]. **Q2** (AUTOMATION & CONTROL SYSTEMS - 26/60) [din JCR 2016, valabil la data depunerii].

Citat de **10** ori:

1. [BDI1]: Laraba, M.-T., S. Olaru și S.-I. Niculescu, “On the structure of polyhedral positive invariant sets with respect to delay difference equations”, în *22nd International Conference on Difference Equations and Applications, ICDEA 2016*, pp. 165–182, 2017. ISBN: 9789811064081.
Publicat de: Springer New York LLC
 DOI: 10.1007/978-981-10-6409-8_10. EID: 2-s2.0-85035124596.
 BDI: Scopus (https://www.scopus.com/inward/record.uri?eid=2-s2.0-85035124596&doi=10.1007%2f978-981-10-6409-8_10&partnerID=40&md5=2affdc74d2018bba305e8233054d148f).
2. [BDI2]: Reppa, V., S. Olaru și M. Polycarpou, “Structural detectability analysis of a distributed sensor fault diagnosis scheme for a class of nonlinear systems”, în *9th IFAC Symposium on Fault Detection, Supervision and Safety for Technical Processes, SAFE-PROCESS 2015*, pp. 1485–1490, 2015.
 DOI: 10.1016/j.ifacol.2015.09.734. EID: 2-s2.0-84992493151.
 BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84992493151&doi=10.1016%2fj.ifacol.2015.09.734&partnerID=40&md5=0f092ea1dd9f7cb1469639341acde8af>).
3. [BDI3]: Nguyen, H.-N., P.-O. Gutman, S. Olaru și M. Hovd, “Robust optimization-based control of constrained linear discrete time systems with bounded disturbances”, în *5th IFAC Symposium on System Structure and Control, SSSC 2013*, pp. 917–922, 2013. ISBN: 9783902823250.
 DOI: 10.3182/20130204-3-FR-2033.00219. EID: 2-s2.0-84881053004.
 BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881053004&doi=10.3182%2f20130204-3-FR-2033.00219&partnerID=40&md5=37c6240e2339cfe41fc39e4318c6bb17>).
4. [BDI4]: Stanković, N., S. Olaru și S.-I. Niculescu, “Set-based detection and isolation of intersampled delays and pocket dropouts in networked control”, în *16th International Conference on Knowledge Engineering, Machine Learning and Lattice Computing with Applications, KES 2012*, pp. 51–60, 2013. ISBN: 9783642373428.
 DOI: 10.1007/978-3-642-37343-5_6. EID: 2-s2.0-84875822896.
 BDI: Scopus (https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875822896&doi=10.1007%2f978-3-642-37343-5_6&partnerID=40&md5=ef6666e80253c3e8dc059e86c0c3ab).
5. [BDI5]: Martinez, J. și S. Varrier, “Multisensor fault-tolerant automotive control”, în *32nd International Summer School in Automatic*, pp. 267–287, 2013. ISBN: 9783642361098.
 DOI: 10.1007/978-3-642-36110-4_10. EID: 2-s2.0-84874814756.
 BDI: Scopus (https://www.scopus.com/inward/record.uri?eid=2-s2.0-84874814756&doi=10.1007%2f978-3-642-36110-4_10&partnerID=40&md5=8b94f83856a637382bd9dc4b95541743).
6. [BDI6]: Olaru, S., “Control of linear systems with non-convex constraints. Mixed integer formulations, MPC design and interpolation alternatives”, în *4th IFAC Conference on*

Nonlinear Model Predictive Control, NMPC'12, pp. 392–399, 2012. ISBN: 9783902823076.

DOI: 10.3182/20120823-5-NL-3013.00090. EID: 2-s2.0-84867063017.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867063017&doi=10.3182%2f20120823-5-NL-3013.00090&partnerID=40&md5=8eba7dccb4c86d1a733446df5b46c57b>).

7. [BDI7]: Seron, M., J. DeDoná și J. Richter, “Bank of virtual actuators for fault tolerant control”, în *18th IFAC World Congress*, pp. 5436–5441, 2011. ISBN: 9783902661937.

DOI: 10.3182/20110828-6-IT-1002.02699. EID: 2-s2.0-84866762058.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866762058&doi=10.3182%2f20110828-6-IT-1002.02699&partnerID=40&md5=fb253f686bfde952cef54cb8f1903145>).

8. [BDI8]: Kofman, E., J. DeDoná și M. Seron, “Probabilistic ultimate bounds and invariant sets for LTI systems with Gaussian disturbances”, în *1st Australian Control Conference, AUCC 2011*, pp. 537–542, 2011. ISBN: 9780858259874.

EID: 2-s2.0-84856119000.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84856119000&partnerID=40&md5=9044cddb17530cf4de7b9ebaa6ee407c>).

9. [BDI9]: Stanković, N., S. Oлару și S.-I. Niculescu, “Further remarks on invariance properties of time-delay systems”, în *ASME 2011 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, DETC/CIE 2011*, pp. 1151–1158, 2011. ISBN: 9780791854815.

DOI: 10.1115/DETC2011-48234. EID: 2-s2.0-84863599611.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84863599611&doi=10.1115%2fDETC2011-48234&partnerID=40&md5=5416db459580ba72baa172ba32cfe8be>).

10. [BDI10]: Stanković, N., S. Oлару și S.-I. Niculescu, “Further remarks on invariance properties of time-delay and switching systems”, în *8th International Conference on Informatics in Control, Automation and Robotics, ICINCO 2011*, pp. 357–362, 2011. ISBN: 9789898425744.

EID: 2-s2.0-80052590939.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-80052590939&partnerID=40&md5=dc2e49dad7e229adca3643f16ae8c761>).

- [C23] Stoican, F., S. Oлару, M. M. Seron și J. A. De Dona, “Reference governor for tracking with fault detection capabilities”, în *1st Conference on Control and Fault-Tolerant Systems, SysTol'10*, pp. 546–551 (6 pagini), 2010. ISBN: 9781424481545.

Publicat de: *IEEE (345 E 47TH ST, NEW YORK, NY 10017 USA)*

DOI: 10.1109/SYSTOL.2010.5675962. WOS: 000416069400089. EID: 2-s2.0-78751667497.

IF: 0.25.

Citat de 1 ori:

1. [BDI6]: Oлару, S., “Control of linear systems with non-convex constraints. Mixed integer formulations, MPC design and interpolation alternatives”, în *4th IFAC Conference on Nonlinear Model Predictive Control, NMPC'12*, pp. 392–399, 2012. ISBN: 9783902823076.

DOI: 10.3182/20120823-5-NL-3013.00090. EID: 2-s2.0-84867063017.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867063017&doi=10.3182%2f20120823-5-NL-3013.00090&partnerID=40&md5=8eba7dccb4c86d1a733446df5b46c57b>).

- [C40] Olaru, S., F. Stoican, J. DeDoná și M. Seron, “Necessary and sufficient conditions for sensor recovery in a multisensor control scheme”, în *7th IFAC International Symposium on Fault Detection, Supervision and Safety of Technical Systems, SAFEPROCESS’09*, pp. 977–982 (6 pagini), 2009. ISBN: 9783902661463.

Publicat de: ELSEVIER SCIENCE BV (PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS)

DOI: 10.3182/20090630-4-ES-2003.0388. EID: 2-s2.0-77957793634.

BDI: Scopus (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-77957793634&doi=10.3182%2f20090630-4-ES-2003.0388&partnerID=40&md5=ffd6a0ec513d92be65d669dda69636c>). Citat de 1 ori:

- [BDI5]: Martinez, J. și S. Varrier, “Multisensor fault-tolerant automotive control”, în *32nd International Summer School in Automatic*, pp. 267–287, 2013. ISBN: 9783642361098.

DOI: 10.1007/978-3-642-36110-4_10. EID: 2-s2.0-84874814756.

BDI: Scopus (https://www.scopus.com/inward/record.uri?eid=2-s2.0-84874814756&doi=10.1007%2f978-3-642-36110-4_10&partnerID=40&md5=8b94f83856a637382bd9dc4b95541743).

nr.	id articol citat	id articol care citează	nr. autori		punctaj
1	[J13]	[BDI1]	4	4/4	1
2	[J13]	[BDI2]	4	4/4	1
3	[J13]	[BDI3]	4	4/4	1
4	[J13]	[BDI4]	4	4/4	1
5	[J13]	[BDI5]	4	4/4	1
6	[J13]	[BDI6]	4	4/4	1
7	[J13]	[BDI7]	4	4/4	1
8	[J13]	[BDI8]	4	4/4	1
9	[J13]	[BDI9]	4	4/4	1
10	[J13]	[BDI10]	4	4/4	1
11	[J12]	[BDI11]	4	4/4	1
12	[J12]	[BDI4]	4	4/4	1
13	[J12]	[BDI6]	4	4/4	1
14	[C39]	[BDI12]	3	4/3	1.33

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15	[C39]	[BDI13]	3	4/3	1.33
16	[C39]	[BDI14]	3	4/3	1.33
17	[C39]	[BDI15]	3	4/3	1.33
18	[C39]	[BDI16]	3	4/3	1.33
19	[C39]	[BDI17]	3	4/3	1.33
20	[J11]	[BDI18]	4	4/4	1
21	[J11]	[BDI4]	4	4/4	1
22	[J11]	[BDI6]	4	4/4	1
23	[J5]	[BDI1]	5	4/5	0.8
24	[J5]	[BDI19]	5	4/5	0.8
25	[J5]	[BDI2]	5	4/5	0.8
26	[C40]	[BDI5]	4	4/4	1
27	[J9]	[BDI20]	5	4/5	0.8
28	[C38]	[BDI21]	4	4/4	1
29	[C38]	[BDI8]	4	4/4	1
30	[C20]	[BDI22]	3	4/3	1.33
31	[C20]	[BDI23]	3	4/3	1.33
32	[C20]	[BDI24]	3	4/3	1.33
33	[C16]	[BDI25]	5	4/5	0.8
34	[C36]	[BDI26]	4	4/4	1
35	[C36]	[BDI27]	4	4/4	1
36	[C36]	[BDI28]	4	4/4	1
37	[C37]	[BDI29]	4	4/4	1
38	[C37]	[BDI4]	4	4/4	1
39	[C37]	[BDI6]	4	4/4	1
40	[C18]	[BDI22]	3	4/3	1.33

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nr.	id articol citat	id articol care citează	nr. autori		punctaj
41	[C23]	[BDI6]	4	4/4	1
42	[C6]	[BDI30]	4	4/4	1
43	[C6]	[BDI31]	4	4/4	1
44	[B2]	[BDI32]	5	4/5	0.8
45	[J3]	[BDI33]	3	4/3	1.33
total					47.43

Punctaj pentru categoria **A3.1.2**: 47.43 p

A3.2 Membru în colectivele de redacție sau comiteele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI

Am fost (co-)chair în 2 manifestări științifice internaționale indexate ISI:

1. “Integrating Wireless Sensor Networks in Distributed Control Systems (session ID: WECT1)” în cadrul “25th Mediterranean Conference on Control and Automation (MED 2017)”, 3-6 iulie 2017, Valleta, Malta
2. “Fault Diagnosis and Fault Tolerant Control (session ID: FrC1)” în cadrul “21st International Conference on System Theory, Control and Computing (ICSTCC 2017)”, 19-21 octombrie 2017, Sinaia, România

Punctaj pentru categoria **A3.2**: $2 \times 10p = 20 p$

A3.3 Membru în colectivele de redacție sau comiteele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate BDI

Am fost membru în comitetul de organizare al unei manifestări științifice internaționale indexate BDI:

1. “Local Arrangements Chair“ și membru al “International Programme Committee” în cadrul “Advanced Control & Diagnosis (ACD 2017)”, 16-17 noiembrie 2017, București, România (adresă: <http://www.acd2017.acs.pub.ro/>)

Punctaj pentru categoria **A3.3**: $1 \times 10p = 10 p$

A3.4 Premii în domeniu conferite de Academia Română, ASTR, AOSR, sau premii internaționale de prestigiu

Nu există.

Punctaj pentru categoria **A3.4**: $0 \times 10p = 0 p$

Condiții minimale obligatorii pe categorii

- A1.1.1 - A1.1.2. Cărți de specialitate

2 cărți : [B3] , [B4]

- A2.1. Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings

41 = 13 articole de jurnal indexate ISI ([J1] , [J2] , [J3] , [J4] , [J5] , [J6] , [J7] , [J8] , [J9] , [J10] , [J11] , [J12] , [J13])
 + **28** articole indexate ISI proceedings ([C1] , [C2] , [C3] , [C4] , [C5] , [C6] , [C7] , [C8] , [C9] , [C10] , [C11] , [C12] , [C13] , [C14] , [C15] , [C16] , [C17] , [C18] , [C19] , [C20] , [C21] , [C22] , [C23] , [C24] , [C25] , [C26] , [C27] , [C28])

- A2.4.1 Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)

2: director al unui proiect “Tânăra Echipă” (PN-II-RU-TE-2014-4-2713)
 + responsabil partener al unui proiect “Cec de inovare” (PN-III-P2-2.1-CI-2017-0403)

- A3.1.1 Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI (WOS)

200 = 196 citări din articole indexate ISI + **4** citări din cărți

- Factor de impact ISI cumulat pentru publicații

42.93 = 31.93 factor de impact cumulat din **13** articole jurnal (2.67 +1.71 +0.6 +4.52 +2.29 +2.29 +3.02 +3.39 +2.7 +2.54 +1.29 +2.7 +2.21)
 + **11** factor de impact cumulat din **28** articole ISI proceedings (0.25 +0.25 +0.25 +0.25 +0.25 +0.25 +0.25 +0.25 +0.75 +0.25 +0.25 +0.25 +0.25 +0.75 +0.75 +0.25 +0.75 +0.75 +0.75 +0.25 +0.25 +0.25 +0.25 +0.75 +0.75 +0.25 +0.25)