

Lista lucrări Conf.habil.dr.ing. Daniela Cristina CERNEGA

Lista lucrărilor reprezentative prezentate în dosar:

1. Ionescu, D.; Filipescu, A.; Simion, G.; Mincă, E.; **Cernega, D.**; Şolea, R.; Filipescu, A. Communication and Control of an Assembly, Disassembly and Repair Flexible Manufacturing Technology on a Mechatronics Line Assisted by an Autonomous Robotic System. *Inventions* 2022, 7(2), 43; <https://doi.org/10.3390/inventions7020043>, <https://www.mdpi.com/2411-5134/7/2/43>
2. Simion, G.; Filipescu, A.; Ionescu, D.; Şolea, R.; **Cernega, D.**; Mincă, E.; Filipescu, A. Mobile Visual Servoing Based Control of a Complex Autonomous System Assisting a Manufacturing Technology on a Mechatronics Line. *Inventions* 2022, 7(3), 47; <https://doi.org/10.3390/inventions7030047>, <https://www.mdpi.com/2411-5134/7/3/47>, Accession Number: WOS:000858232500001
3. Duca, O.; Minca, E.; Filipescu, A.; **Cernega, D.**; Solea, R.; Bidica, C. Event-Based PID Control of a Flexible Manufacturing Process. *Inventions* 2022, 7(4), 86; <https://doi.org/10.3390/inventions7040086>, <https://www.mdpi.com/2411-5134/7/4/86>, Accession Number: WOS:000902580500001
4. Minca, E (Minca, Eugenia); Filipescu, A (Filipescu, Adrian); **Cernega, D** (Cernega, Daniela); Solea, R (Solea, Razvan); Filipescu, A (Filipescu, Adriana); Ionescu, D (Ionescu, Dan); Simion, G (Simion, Georgian), *Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor-Challenges towards Industry 5.0*, SENSORS Volume: 22 Issue: 21 Article, [Sensors | Free Full-Text | Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor—Challenges towards Industry 5.0 \(mdpi.com\)](https://www.mdpi.com/1424-6460/22/21/8153) Number: 8153 DOI: 10.3390/s22218153 Published: NOV 2022, Accession Number: WOS:000881435200001, PubMed ID: 36365850
5. **Cernega, D** (Cernega, Daniela); Solea, R (Solea, Razvan), *Hybrid Control Application Using Mobile Visual Servoing for Flexible Manufacturing Mechatronics Line*, Edited by: Barbulescu LF, Source: 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Book Series: International Conference on System Theory Control and Computing Pages: 636-641 Published: 2020, WOS:000646582900105, Conference Title: 24th International Conference on System Theory, Control and Computing (ICSTCC) Conference Date: OCT 08-10, 2020
6. **Cernega, D** (Cernega, Daniela); Solea, R (Solea, Razvan), *Hybrid Control Structure for Multi-robot Formation* Author(s):, Edited by: Diamantaras K; Duch W; Iliadis LS, ARTIFICIAL NEURAL NETWORKS-ICANN 2010, PT II Book Series: Lecture Notes in Computer Science Volume: 6353 Pages: 307-316 Part: II Published: 2010, Accession Number: WOS:000287890000038 Conference Title: 20th International Conference on Artificial Neural Networks, Conference Date: SEP 15-18, 2010, Conference Location: Thessaloniki, GREECE, Conference Sponsors: European Neural Network Soc, Aristotle Univ Thessaloniki, Univ Macedonia, Technol Educ Inst Thess, Hellenic Int Univ, Democritus Univ Thrace, Alexander TEI Thessaloniki, ISSN: 0302-9743, ISBN: 978-3-642-15821-6

Teza de doctorat "Cum laudae"

D.Cernega, *Contribuții la conducerea sistemelor cu evenimente discrete cu aplicații la procesele de asamblare și fabricație flexibile*, teza de doctorat, Galați 2000

Cărți și capitole în cărți

1. V. Mînză, **D. Cernega**, *Sisteme dinamice cu evenimente discrete – abordări și aplicații*, Editura Didactică și Pedagogică, București 2001 ISBN 973-30-2161-X
2. **D.Cernega**, *Sisteme Dinamice cu Evenimente Discrete – Conducere prin Supervizare*, Editura Didactică și Pedagogică București 2004, ISBN 973-30-2658-1
3. **D.C.Cernega**, V. Mînză, *Assembly Workstation Supervisory Control Technique*, Software and Hardware Engineering for the 21st Century, WSES Press 1999, pp 128 - 133, ISBN: 960-8052-06-8, Editor prof. Nikos Mastorakis

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5. **D.C. Cernega**, A.I. Bratcu, A.Serbencu, *Discrete Event Supervision for Communication Protocol Conversion*, Intelligent Systems at the Service of Mankind, Volume 2, edited by Wilfried Elmenreich, J. Tenreiro Machado, Imre J. Rudas - UBooks, Augsburg, Germany, 2005, pp.227-238
6. R. SOLEA, **D. CERNEGA** *Sliding Mode Control for Trajectory Tracking Problem – Performance Evaluation*, Lecture Notes in Computer Science, Ed Springer 2009 ISSN 0302-9743, ISBN 978-3-642-04276-8, 5769 LNCS (PART 2), pp. 865-874, [DOI: 10.1007/978-3-642-04277-5_87](https://doi.org/10.1007/978-3-642-04277-5_87) , www.scopus.com
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8. **Daniela Cernega** and Razvan Solea, *Hybrid Control Structure for Multi-robot Formation*, Lecture Notes in Computer Science Volume 6353, Editura Springer 2010, DOI: 10.1007/978-3-642-15822-3, ISSN 0302-9743 (Print) 1611-3349 (Online), Pages 307-316, http://link.springer.com/chapter/10.1007/978-3-642-15822-3_38
9. Răzvan Şolea, **Daniela Cernega**, *Mobile Manipulators Motion Planning Based on Trajectory Tracking Control*, Lecture Notes in Electrical Engineering, Volume 174/2013, Editors:Jean-Louis Ferrier, Alain Bernard, Oleg Gusikhin, Kurosh Madani, ISBN: 978-3-642-31352-3 (Print) 978-3-642-31353-0 (Online),pp 77-88, Springer 2012, http://dx.doi.org/10.1007/978-3-642-31353-0_6, <http://link.springer.com/book/10.1007/978-3-642-31353-0/page/1>
10. Şolea Răzvan, **Cernega Daniela**, *Obstacle Avoidance for Trajectory Tracking,Control of Wheeled Mobile Robots* , Studies inComputational Intelligence, vol.SCI 472/2014, XXIV *Service Orientation in Holonic and Multi Agent Manufacturing and Robotics*, Editors T. Borangiu, A. Thomas, D.Trentesaux., ISBN 978-3-642-35852-4,, pp. 279–290, DOI: 10.1007/978-3-642-35852-4_18 © Springer-Verlag Berlin Heidelberg 2014, http://dx.doi.org/10.1007/978-3-642-35852-4_18, <http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-35851-7>

Îndrumare de laborator

1. **D.C. Cernega**, A.I. Bratcu, *Sisteme dinamice cu evenimente discrete*, Universitatea “Dunărea de Jos” din Galaţi,1998
2. E. Ceangă, D. Aiordăchioaie, **D.Cernega**, I. Munteanu, *Semnale circuite şi sisteme*, Universitatea “Dunărea de Jos” din Galaţi,1999

Contracte cercetare

Director/ Responsabil proiect

1. Grant PN II/ID 506/2008, Contract de finantare 602/2009 ; STUDIU PENTRU IMPLEMENTAREA IN TIMP REAL A UNUI SISTEM HIBRID PENTRU CONDUCEREA AVANSATA A MANIPULATORILOR ROBOTICE SI ROBOTILOR MOBILI COLABORATIVI, 2008-2011Grant PCNCD IDEI 506 nr 602/2009 director, suma contractată 999999 lei

2. Grant PN III 78/ PCCDI 2018-2021 Conducerea inteligentă şi distribuită a 3 sisteme autonome complexe integrate în tehnologii emergente pentru asistare personală medico-socială şi deservire de linii de fabricaţie flexibilă de precizie (CIDSACTEH) Director Proiect P3

Conducerea inteligentă, cu tehnici avansate şi navigaţia bazată pe senzori performanţi şi sisteme servoing vizuale a Sistem Autonom Complex-Asistent Robotic Personal SAC-ARP şi Sistem Autonom Complex -Vehicul Autonom Multidirecţional SAC-VAM integrate în tehnologii de asistare medico-socială şi deservire de linii fabricaţie felxibilă de precizie, de laborator (linii de mecatronică) şi industriale -1346000 lei

Membru in colectiv

1. "CERCETARI PRIVIND MODELAREA SI CONDUCEREA SISTEMELOR FLEXIBILE DE ASAMBLARE CA SISTEME CU EVENIMENTE DISCRETE"- contract cu Ministerul Învăţământului şi Ştiinţei 5000C/1993 1993 Faza I, "Analiza si modelarea proceselor de asamblare", Faza II 1994 "Algoritmi de conducere a proceselor de asamblare"- membru in colectiv
2. Contract internaţional 228/1998-1999, "Improved, GRAPHICAL CONFIGURATOR FOR SC330 EQUIPMENTS", beneficiar: CSTELECOM, Franta, valoare: 250.000\$.

3. Contract internațional 250/1999-2000, "FULL CONFIGURATOR FOR SC330 EQUIPMENTS", beneficiar: CSTELECOM, Franta, valoare: 144.000\$.
4. "SISTEM DE MODELARE PRIN REȚELE XML ȘI OPTIMIZARE BAZATĂ PE METAEURISTICI HIBRIDE A LANȚURILOR LOGISTICE" care fac obiectul Contractului de grant nr. 27672/14.03.2005-2008, încheiat între Ministrul Educației și Cercetării în calitate de Beneficiar și Executant Universitatea "Dunărea de Jos" din Galați, cod CNCIS 1340 poz5, membru în colectiv

Articole reviste indexate ISI

1. **D.C. Cernega**, Supervisor Design for a Class of Discrete Event Systems, Control Engineering and Applied Informatics Vol. 7, No. 3, pp. 32-39, 2005, <http://www.ceai.srait.ro/index.php/ceai/issue/view/23>
2. Ionescu, D.; Filipescu, A.; Simion, G.; Mincă, E.; **Cernega, D.**; Șolea, R.; Filipescu, A. Communication and Control of an Assembly, Disassembly and Repair Flexible Manufacturing Technology on a Mechatronics Line Assisted by an Autonomous Robotic System. Inventions 2022, 7(2), 43; <https://doi.org/10.3390/inventions7020043>, <https://www.mdpi.com/2411-5134/7/2/43> Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor-Challenges towards Industry 5.0 Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor-Challenges towards Industry 5.0 Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor-Challenges towards Industry 5.0, Accession Number: WOS:000818151300001
3. Simion, G.; Filipescu, A.; Ionescu, D.; Șolea, R.; **Cernega, D.**; Mincă, E.; Filipescu, A. Mobile Visual Servoing Based Control of a Complex Autonomous System Assisting a Manufacturing Technology on a Mechatronics Line. Inventions 2022, 7(3), 47; <https://doi.org/10.3390/inventions7030047>, <https://www.mdpi.com/2411-5134/7/3/47>, Accession Number: WOS:000858232500001
4. Duca, O.; Minca, E.; Filipescu, A.; **Cernega, D.**; Șolea, R.; Bidica, C. Event-Based PID Control of a Flexible Manufacturing Process. Inventions 2022, 7(4), 86; <https://doi.org/10.3390/inventions7040086>, <https://www.mdpi.com/2411-5134/7/4/86>, Accession Number: WOS:000902580500001
5. Minca, E (Minca, Eugenia); Filipescu, A (Filipescu, Adrian); Cernega, D (Cernega, Daniela); Șolea, R (Șolea, Razvan); Filipescu, A (Filipescu, Adriana); Ionescu, D (Ionescu, Dan); Simion, G (Simion, Georgian), Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor-Challenges towards Industry 5.0, SENSORS Volume: 22 Issue: 21 Article, [Sensors | Free Full-Text | Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor—Challenges towards Industry 5.0 \(mdpi.com\)](https://www.mdpi.com/1424-6460/22/21/8153) Number: 8153 DOI: 10.3390/s22218153 Published: NOV 2022, Accession Number: WOS:000881435200001, PubMed ID: 36365850

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1. V. Mînză, **D.C.Cernega**, I.A. Bratcu, A stochastic Algorithm for Treating the Precedence Constraints in Discrete Optimization Problems, The Annals of "Dunărea de Jos" University of Galați, Fascicle III, 1998, Electrotehnica, Electronica, Automatic Control, Informatics, 1998, pp 46 – 51
2. **D.C. Cernega**, V. Mînză, Supervisory Control Technique for an Assembly Workstation as a Dynamic Discrete Event System, Analele Universității "Dunărea de Jos" din Galați, Fascicula III 2001 Electrotehnică, Electronică, Automatică, Informatică, pp 68-74
3. **D.C. Cernega**, V. Mînză, Communication System Model for Supervisory Control, , Buletinul Universitatii Petrol-Gaze din Ploiesti, Vol. LV, No. 2/2003, ISSN 1221-9371
4. Adrian Serbecu, Adriana Serbencu, V. Mînză, **D.C.Cernega** Multiagent Systems Used for Discrete Optimization Problems, Buletinul Universitatii Petrol-Gaze din Ploiesti, Vol. LV, No. 2/2003, ISSN 1221
5. R. Șolea, U. Nunes, A. Filipescu, **D. Cernega**, Sliding Mode Control For Trajectory Tracking Of An Intelligent Wheelchair, Revista THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE III, 2009, Vol.32, No.2, ISSN 1221-454X ELECTROTECHNICS, ELECTRONICS, AUTOMATIC CONTROL, INFORMATICS : <http://www.ann.ugal.ro/eeai/index.html>, Revista B+ COD CNCIS 482

Lucrări proceedings indexate ISI

1. *Event-based PID control in a flexible manufacturing process*, Duca, O (Duca, Octavian); Meica, E (Minca, Eugenia); Filipescu, A (Filipescu, Adrian); Solea, R (Solea, Rdzvan); Cernega, D (Cernega, Daniela); Paun, M (Paun, Marius)

Edited by: Barbu M; Solea R, 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 182-187 **DOI:** 10.1109/ICSTCC55426.2022.9931787 **Published:** 2022

Accession Number: WOS:000889980600032

Conference Title: 26th International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 19-21, 2022, **Conference Location:** Sinaia, ROMANIA

2. **Title:** Complex Autonomous System Assisting a Manufacturing Technology on a Mechatronics Line. A Digital Twin Approach, **Author(s):** Filipescu, A (Filipescu, Adrian); Solea, R (Solea, Razvan); Cernega, DC (Cernega, Daniela Cristina); Ionescu, D (Ionescu, Dan); Simion, G (Simion, Georgian); Filipescu, A (Filipescu, Adriana), **Edited by:** Barbu M; Solea R, 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 157-162, **DOI:** 10.1109/ICSTCC55426.2022.9931812, **Published:** 2022, **Accession Number:** WOS:000889980600028, **Conference Title:** 26th International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 19-21, 2022, **Conference Location:** Sinaia, ROMANIA

3. **Title:** Digital Twin for a Mechatronics Line with Integrated Mobile Robotic Systems, **Author(s):** Filipescu, A (Filipescu, Adrian); Cernega, DC (Cernega, Daniela Cristina); Minca, E (Minca, Eugenia); Solea, R (Solea, Razvan); Ionescu, D (Ionescu, Dan); Simion, G (Simion, Georgian); Filipescu, A (Filipescu, Adriana), **Edited by:** Barbu M; Solea R, **Source:** 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing, **Pages:** 163-169, **DOI:** 10.1109/ICSTCC55426.2022.9931782, **Published:** 2022, **Accession Number:** WOS:000889980600029, **Conference Title:** 26th International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 19-21, 2022, **Conference Location:** Sinaia, ROMANIA

4. CAS and IRM Integrated into a Multifunctional Flexible Manufacturing Technology on an A/D/RML, **Author(s):** Ionescu, D (Ionescu, Dan); Cernega, D (Cernega, Daniela); Solea, R (Solea, Razvan); Filipescu, A (Filipescu, Adrian); Simion, G (Simion, Georgian); Filipescu, A (Filipescu, Adriana), **Edited by:** Ferariu L; Matcovschi MH; Ungureanu F, **Source:** 2021 25TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing, **Pages:** 541-546, **DOI:** 10.1109/ICSTCC52150.2021.9607127, **Published:** 2021,

Accession Number: WOS:000859487900089,

Conference Title: 25th International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 20-23, 2021, **Conference Location:** Iasi, ROMANIA, **Title:** Hybrid Control Application Using Mobile Visual Servoing for Flexible Manufacturing Mechatronics Line, **Author(s):** Cernega, D (Cernega, Daniela); Solea, R (Solea, Razvan), **Edited by:** Barbulescu LF, **Source:** 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 636-641 **Published:** 2020

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Conference Title: 24th International Conference on System Theory, Control and Computing (ICSTCC) **Conference Date:** OCT 08-10, 2020 **Conference Location:** ELECTR NETWORK, **ISSN:** 2372-1618 **ISBN:** 978-1-7281-9809-5

5. **Title:** Hybrid Control Application Using Mobile Visual Servoing for Flexible Manufacturing Mechatronics Line, **Author(s):** Cernega, D (Cernega, Daniela); Solea, R (Solea, Razvan), **Edited by:** Barbulescu LF, **Source:** 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 636-641 **Published:** 2020, **Accession Number:** WOS:000646582900105

Conference Title: 24th International Conference on System Theory, Control and Computing (ICSTCC)

Conference Date: OCT 08-10, 2020

Conference Location: ELECTR NETWORK

Conference Sponsors: Univ Craiova, Fac Automat, Comp & Elect, Dunarea Jos Univ Galati, Fac Automat Control, Comp, Elect & Elect Engn, Gheorghe Asachi Tech Univ Iasi, Fac Automat Control & Comp Engn, Politehnica Univ Timisoara, Fac Automat & Comp, Dept Automat & Appl Informat, Politehnica Univ Timisoara, Fac Automat & Comp, Dept Comp & Informat Technol, Inst Elect & Elect Engineers, IEEE Control Syst Soc, Minist Educ & Res Romania, Natl Author Sci Res, IEEE, Romanian Sect, Romanian Acad Tech Sci, Romanian Soc Automat Control & Tech Informat, Continental Automot Romania, Hella Romania, NetRom Software, CS Romania

6. **Title:** Head Movement Control of Powered Wheelchair, **Author(s):** Solea, R (Solea, Razvan); Margarit, A (Margarit, Alexandru); Cernega, D (Cernega, Daniela); Serbencu, A (Serbencu, Adrian), **Edited by:** Precup RADU, **Source:** 2019 23RD INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 632-637 **Published:** 2019, **Accession Number:** WOS:000590181100107, **Conference Title:** 23rd International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 09-11, 2019, **Conference Location:** Sinaia, ROMANIA
7. **Title:** Trajectory Tracking Nonlinear Control and Narrow Spaces Navigation of a WMR
Author(s): Solea, R (Solea, Razvan); Ciubuciu, G (Ciubuciu, George); Cernega, D (Cernega, Daniela); Filipescu, A (Filipescu, Adrian); Voncila, I (Voncila, Ion) **Edited by:** Barbu M; Solea R; Filipescu A, **Source:** 2018 22ND INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 329-334 **Published:** 2018
Accession Number: WOS:000465109800054
Conference Title: 22nd International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 10-12, 2018, **Conference Location:** Sinaia, ROMANIA, **ISSN:** 2372-1618, **ISBN:** 978-1-5386-4444-7
8. **Title:** SHPN Models Based Simulation and Control of Mobile Robotic Systems Integrated into A/DML
Author(s): Filipescu, A (Filipescu, Adrian); Cernega, D (Cernega, Daniela); Filipescu, A (Filipescu, Adriana); Solea, R (Solea, Razvan); Minca, E (Minca, Eugenia), **Edited by:** Kloetzer M; Ferariu L, **Source:** 2017 21ST INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 230-235 **Published:** 2017
Accession Number: WOS:000427419900037
Conference Title: 21st International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 19-21, 2017, **Conference Location:** Sinaia, ROMANIA, **ISSN:** 2372-1618, **ISBN:** 978-1-5386-3842-2
9. **Title:** SHPN Modelling, Visual Servoing and Control of WMR with RM Integrated into P/RML
Author(s): Filipescu, A (Filipescu, Adrian); Solea, R (Solea, Razvan); Cernega, D (Cernega, Daniela); Filipescu, A (Filipescu, Adriana, Jr.); Ciubuciu, G (Ciubuciu, George); Petrea, G (Petrea, George), **Edited by:** Kloetzer M; Ferariu L, **Source:** 2017 21ST INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 315-320 **Published:** 2017
Accession Number: WOS:000427419900051
Conference Title: 21st International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 19-21, 2017, **Conference Location:** Sinaia, ROMANIA
Conference Sponsors: Gheorghe Asachi Tech Univ Iasi, Fac Automat Control & Comp Engr, Dunarea Jos Univ Galati, Fac Automat Control Comp Elect & Elect Engr, Politehnica Univ Timisoara, Fac Automat & Comp, IEEE Control Syst Soc, Univ Craiova, Fac Automat Comp & Elect
10. **Title:** Online Path Planner for Mobile Robots using Particle Swarm Optimization, **Author(s):** Solea, R (Solea, Razvan); Cernega, D (Cernega, Daniela), **Edited by:** Petre E; Brezovan M
Source: 2016 20TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conference on System Theory Control and Computing **Pages:** 222-227 **Published:** 2016
Accession Number: WOS:000391609900039
Conference Title: 20th International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 13-15, 2016, **Conference Location:** Sinaia, ROMANIA,
Conference Sponsors: Inst Elect & Elect Engineers, Control Syst Soc, Univ Craiova, Fac Automat Comp Elect, Automat Control Res Ctr, Gheorghe Asachi Tech Univ Iasi, Fac Automat Control & Comp Engr, Dunarea Jos Univ Galati, Fac Control Syst Comp Elect & Elect Engr, Minist Educ & Res Romania, Natl Authority Sci Res & Innovat, IEEE Romanian Sect, Romanian Acad Tech Sci, Romanian Soc Automat & Tech Informat
ISSN: 2372-1618 **ISBN:** 978-1-5090-2720-0
11. **Title:** Super Twisting Sliding Mode Controller Applied to a Nonholonomic Mobile Robot ,**Author(s):** Solea, R (Solea, Razvan); Cernega, D (Cernega, Daniela), **Edited by:** Caraman S; Barbu M; Solea R, **Source:** 2015 19TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Pages:** 87-92 **Published:** 2015, **Accession Number:** WOS:000382384100015, **Conference Title:** 19th International Conference on System Theory, Control and Computing (ICSTCC), **Conference Date:** OCT 14-16, 2015, **Conference Location:** ROMANIA, **Conference Sponsors:** IEEE Control Syst Soc, Dunarea Jos Univ Galati, Fac Automat Control Comp Elect & Elect Engr, Univ Craiova, Fac Automat Comp & Elect, Gheorghe

Asachi Tech Univ Iasi, Fac Automat Control & Comp Engr, NAPA, Natl Author Sci Res & Innovat, Minist Educ & Res Romania, Control Syst Comp & Elect Engr Soc, Romanian Soc Automat Control & Tech Informat, ISBN: 978-1-4799-8481-7

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13. Title: Indoor 3D Object Model Obtained using Data Fusion from Laser Sensor and Digital Camera on a Mobile Robot **Author(s):** Solea, R (Solea, Razvan); Veliche, G (Veliche, George); Cernega, DC (Cernega, Daniela-Cristina); Teaca, MR (Teaca, Madalina-Roxana), Edited by: Petre E; Brezovan M, Source: 2013 17TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Published: 2013, Accession Number: WOS:000330660500075, Conference Title: 17th International Conference System Theory, Control and Computing (ICSTCC), Conference Date: OCT 11-13, 2013, Conference Location: Sinaia, ROMANIA, Conference Sponsors: IEEE, IEEE Control Syst Soc, Fac Automatica, Calculatoare Electronica, Fac Automatica Calculatoare, Fac ACIEE Galati, NETROM Romania, SINTEC MEDIA Romania, Ubisoft Romania, DOLSAT Consult, Polisea Romania, Top Edge Engr Romania, SMC Romania, Univ Craiova, Fac Automat, Comp & Elect, Automat Control Res Ctr, ISBN: 978-1-4799-2228-4; 978-1-4799-2227-7

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