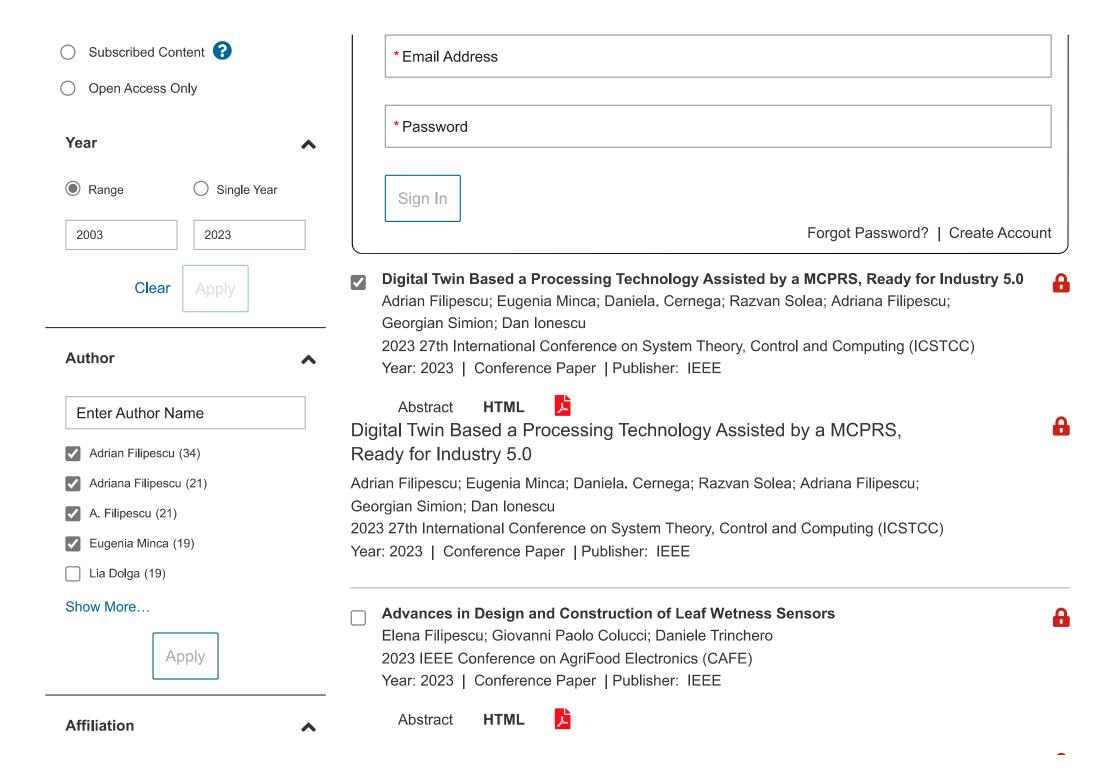




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Department of Automation and Electrical Engineering, "Dunarea de Jos" University of Galati, Romania (7) Power Systems Department, POLITEHNICA University of Timisoara, Timisoara, Romania (6) Power Systems Department, POLITEHNICA University Timisoara, Timisoara, Romania (5) Mechatronics Department, POLITEHNICA University Timisoara, Timisoara, Romania (5) Show More Apply	Modeling and Control an A/DT Served by an ACPS based on SCADA, Industry 4.0 and 5.0 Adrian Filipescu; Daniela Cernega; Razvan Solea; Adriana Filipescu; Eugenia Minca; Dan Ionescu; Georgian Simion 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) Year: 2023 Conference Paper Publisher: IEEE Abstract HTML Modeling and Control an A/DT Served by an ACPS based on SCADA, Industry 4.0 and 5.0 Adrian Filipescu; Daniela Cernega; Razvan Solea; Adriana Filipescu; Eugenia Minca; Dan Ionescu; Georgian Simion 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) Year: 2023 Conference Paper Publisher: IEEE	a
Publication Title 💙	Flexible Manufacturing with Integrated Robotic Systems in the Context of Industry 5.0	A
Publisher •	Octavian Duca; Eugenia Minca; Adrian Filipescu; Daniela Cernega; Razvan Solea; Adriana Filipescu	
Conference Location	2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) Year: 2023 Conference Paper Publisher: IEEE	
Publication Topics 🗸	Abstract HTML 🔀	

Flexible Manufacturing with Integrated Robotic Systems in the Context of Industry 5.0

Octavian Duca; Eugenia Minca; Adrian Filipescu; Daniela Cernega; Razvan Solea; Adriana Filipescu

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Year: 2023 | Conference Paper | Publisher: IEEE

Digital Twin for a Mechatronics Line with Integrated Mobile Robotic Systems

Adrian Filipescu; Daniela Cristina Cernega; Eugenia Mincă; Razvan Solea; Dan Ionescu; Georgian Simion; Adriana Filipescu

2022 26th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2022 | Conference Paper | Publisher: IEEE

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Digital Twin for a Mechatronics Line with Integrated Mobile Robotic Systems

Adrian Filipescu; Daniela Cristina Cernega; Eugenia Mincă; Razvan Solea; Dan Ionescu;

Georgian Simion; Adriana Filipescu

2022 26th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2022 | Conference Paper | Publisher: IEEE

Event-based PID control in a flexible manufacturing process

Octavian Duca; Eugenia Minca; Adrian Filipescu; Răzvan Şolea; Daniela Cernega; Marius Paun 2022 26th International Conference on System Theory, Control and Computing (ICSTCC)

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Event-based PID control in a flexible manufacturing process Octavian Duca; Eugenia Minca; Adrian Filipescu; Răzvan Şolea; Daniela Cernega; Marius Paun 2022 26th International Conference on System Theory, Control and Computing (ICSTCC) Year: 2022 | Conference Paper | Publisher: IEEE **Complex Autonomous System Assisting a Manufacturing Technology on a Mechatronics** Line. A Digital Twin Approach Adrian Filipescu; Răzvan Şolea; Daniela Cristina Cernega; Dan Ionescu; Georgian Simion; Adriana Filipescu 2022 26th International Conference on System Theory, Control and Computing (ICSTCC) Year: 2022 | Conference Paper | Publisher: IEEE کر HTML Abstract Complex Autonomous System Assisting a Manufacturing Technology on a Mechatronics Line. A Digital Twin Approach Adrian Filipescu; Răzvan Şolea; Daniela Cristina Cernega; Dan Ionescu; Georgian Simion; Adriana Filipescu 2022 26th International Conference on System Theory, Control and Computing (ICSTCC) Year: 2022 | Conference Paper | Publisher: IEEE Sensing membranes based on CNT nanocomposites processing for air and water monitoring Cristina Craciun; Mihaela Filipescu; Alexandra Palla-Papavlu; Simona Brajnicov; Tatiana Tozar; Fănel Scheaua; Anca Bonciu; Florin Nedelcut; Maria Dinescu 2021 International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea) Year: 2021 | Conference Paper | Publisher: IEEE Cited by: Papers (1)

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Sensing membranes based on CNT nanocomposites processing for air and water monitoring

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Cristina Craciun; Mihaela Filipescu; Alexandra Palla-Papavlu; Simona Brajnicov; Tatiana Tozar; Fănel Scheaua; Anca Bonciu; Florin Nedelcuţ; Maria Dinescu 2021 International Workshop on Metrology for the Sea: Learning to Measure Sea Health

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CAS and IRM Integrated into a Multifunctional Flexible Manufacturing Technology on an A/D/RML

A/D/RML
Dan Ionescu; Daniela Cernega; Razvan Şolea; Adrian Filipescu; Georgian Simion;

Adriana Filipescu

2021 25th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2021 | Conference Paper | Publisher: IEEE

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CAS and IRM Integrated into a Multifunctional Flexible Manufacturing Technology on an A/D/RML

Dan Ionescu; Daniela Cernega; Razvan Şolea; Adrian Filipescu; Georgian Simion; Adriana Filipescu

2021 25th International Conference on System Theory, Control and Computing (ICSTCC)

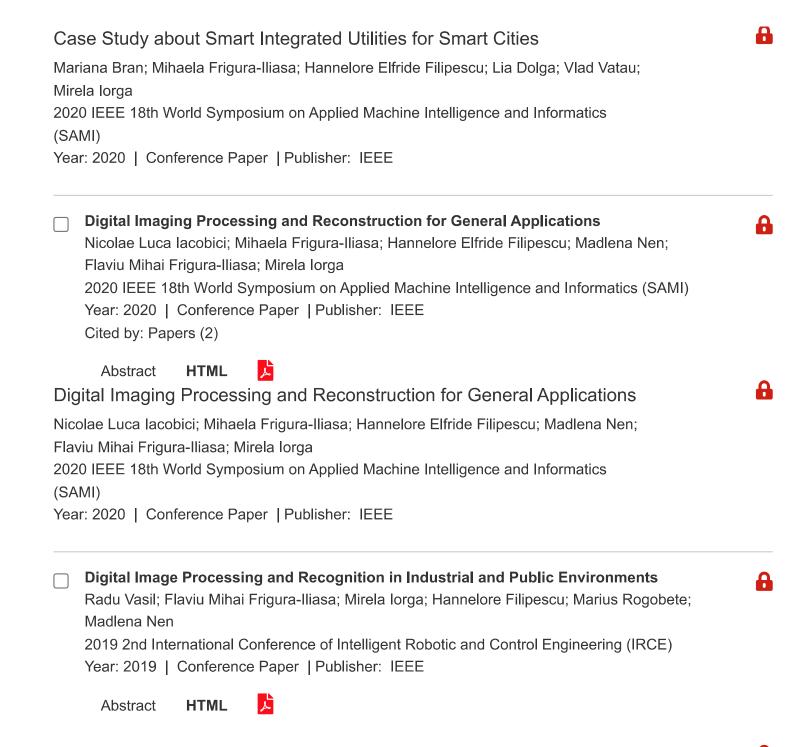
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Improved Image Processing Algorithm for Quality Test on a Flexible Manufacturing Mechatronic Line

Marius PAUN; Eugenia MINCA; Adrian FILIPESCU; Adriana FILIPESCU; Octavian DUCA 2020 24th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2020 | Conference Paper | Publisher: IEEE

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Digital Image Processing and Recognition in Industrial and Public Environments Radu Vasil; Flaviu Mihai Frigura-Iliasa; Mirela Iorga; Hannelore Filipescu; Marius Rogobete; Madlena Nen	
Industrial 3D Recognition System Based on 2D Elements Nicolae Tarfulea; Radu Vasil; Flaviu Mihai Frigura-Iliasa; Lia Dolga; Hannelore Filipescu; Florin Ionel Balcu	6
2019 2nd International Conference of Intelligent Robotic and Control Engineering (IRCE) Year: 2019 Conference Paper Publisher: IEEE	
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Nicolae Tarfulea; Radu Vasil; Flaviu Mihai Frigura-Iliasa; Lia Dolga; Hannelore Filipescu; Florin Ionel Balcu	
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Supervisory Control of Discrete Event Systems in Manufacturing Industry Nicolae Luca Iacobici; Francisc Demeter; Flaviu Mihai Frigura-Iliasa; Lia Dolga;	6
Hannelore Filipescu; Mirela lorga 2019 2nd International Conference of Intelligent Robotic and Control Engineering (IRCE)	
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Supervisory Control of Discrete Event Systems in Manufacturing Industry

Nicolae Luca Iacobici; Francisc Demeter; Flaviu Mihai Frigura-Iliasa; Lia Dolga;

Hannelore Filipescu; Mirela Iorga

2019 2nd International Conference of Intelligent Robotic and Control Engineering (IRCE)

Year: 2019 | Conference Paper | Publisher: IEEE

Mechatronics Manufacturing Line with Integrated Autonomous Robots and Visual Servoing Systems

Adrian Filipescu; Eugenia MINCA; Adriana Filipescu

2019 IEEE International Conference on Cybernetics and Intelligent Systems (CIS) and IEEE

Conference on Robotics, Automation and Mechatronics (RAM)

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Mechatronics Manufacturing Line with Integrated Autonomous Robots and Visual Servoing Systems

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Year: 2019 | Conference Paper | Publisher: IEEE

Optimal control of the complete assembly/disassembly cycle for a mechatronics line prototype

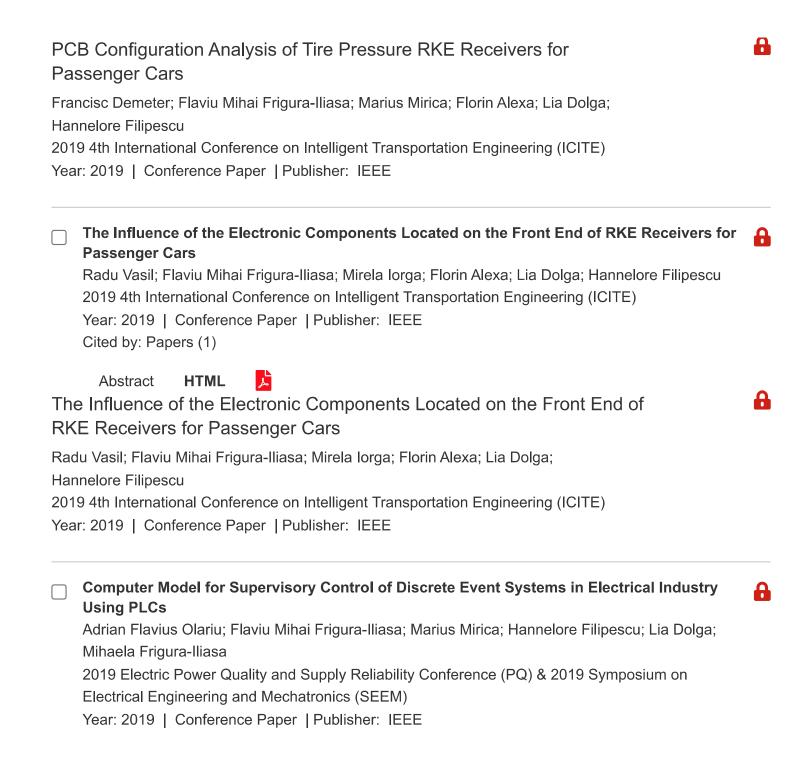
Octavian DUCA; Valentin GURGU; Eugenia MINCA; Adrian FILIPESCU; Florin DRAGOMIR; Otilia DRAGOMIR

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Mihaela Frigura-Iliasa 2019 4th International Conference on Intelligent Transportation Engineering (ICITE) Year: 2019 Conference Paper Publisher: IEEE	
PCB Configuration Analysis of Tire Pressure RKE Receivers for Passenger Cars Francisc Demeter; Flaviu Mihai Frigura-Iliasa; Marius Mirica; Florin Alexa; Lia Dolga; Hannelore Filipescu	A
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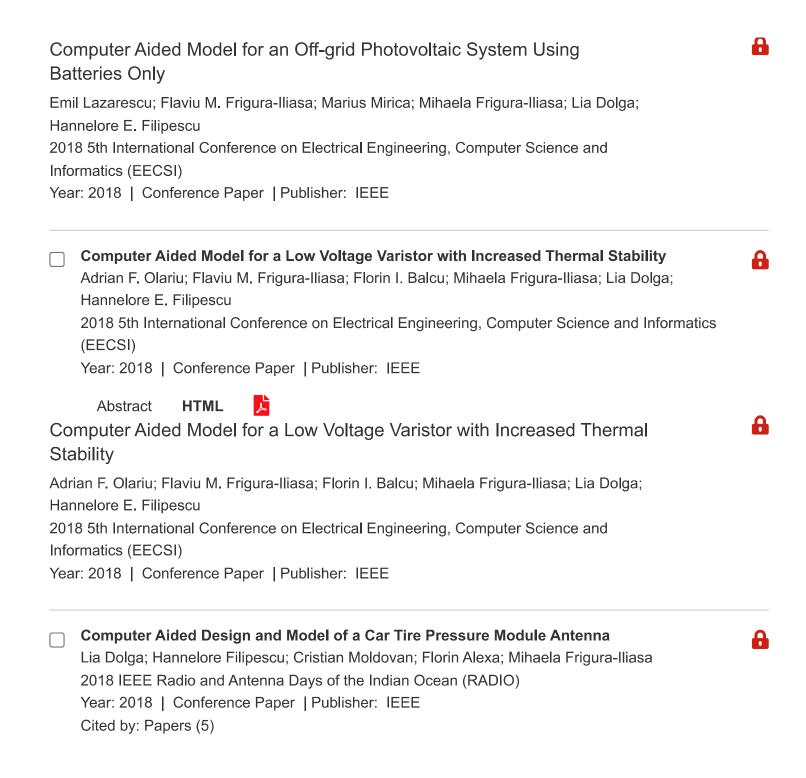


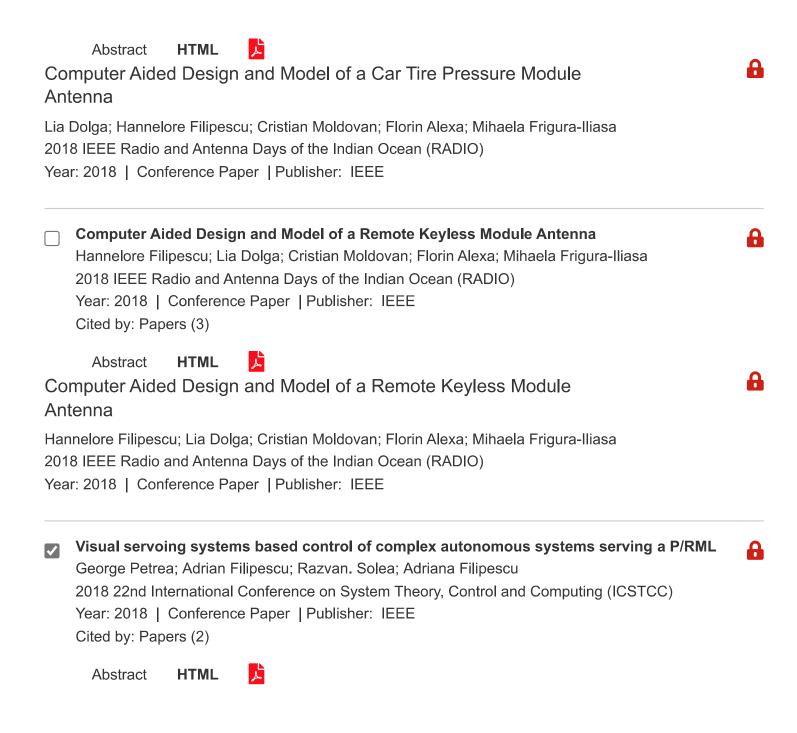
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Α	A New Technical Solution for an Industrial 3D Safety Recognition System Adrian Flavius OLARIU; Mihaela FRIGURA-ILIASA; Lia DOLGA; Hannelore Elfride FILIPESCU 2019 IEEE 17th World Symposium on Applied Machine Intelligence and Informatics (SAMI)	
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	Computer Based Algorithm for Optimizing Design and Construction of Large Industrial Power System Industrial Objectives	a
	Mihaela FRIGURA-ILIASA; Mirela IORGA; Lia DOLGA; Hannelore Elfride FILIPESCU	
	2019 IEEE 17th World Symposium on Applied Machine Intelligence and Informatics (SAMI) Year: 2019 Conference Paper Publisher: IEEE	
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	Digital Based Solutions for the Refurbishment of Existing Hydro-generators	A
	Razvan Claudiu PETRENCI; Mihaela FRIGURA-ILIASA; Lia DOLGA; Hannelore Elfride FILIPESCU	
	2019 IEEE 17th World Symposium on Applied Machine Intelligence and Informatics (SAMI)	
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Digital Based Solutions for the Refurbishment of Existing Hydrogenerators Razvan Claudiu PETRENCI; Mihaela FRIGURA-ILIASA; Lia DOLGA; Hannelore Elfride FILIPESCU 2019 IEEE 17th World Symposium on Applied Machine Intelligence and Informatics (SAMI) Year: 2019 | Conference Paper | Publisher: IEEE Analytical Model for the Electrodynamical Forces inside Electrical Contacts of **Commutation Devices** Alexandra Popescu; Emil Lazarescu; Flaviu M. Frigura-Iliasa; Lia Dolga; Hannelore E. Filipescu; Anghel Andreea 2019 20th International Scientific Conference on Electric Power Engineering (EPE) Year: 2019 | Conference Paper | Publisher: IEEE کر Abstract HTML Analytical Model for the Electrodynamical Forces inside Electrical Contacts of Commutation Devices Alexandra Popescu; Emil Lazarescu; Flaviu M. Frigura-Iliasa; Lia Dolga; Hannelore E. Filipescu; Anghel Andreea 2019 20th International Scientific Conference on Electric Power Engineering (EPE) Year: 2019 | Conference Paper | Publisher: IEEE Computer based Study about the Load Regime of a 40 MVA 110/6 kV Transformer Razvan Petrenci; Mihaela Frigura-Iliasa; Flaviu Frigura-Iliasa; Lia Dolga; Hannelore E. Filipescu; Doru Vatau 2019 20th International Scientific Conference on Electric Power Engineering (EPE) Year: 2019 | Conference Paper | Publisher: IEEE 1 Abstract HTML

	Computer based Study about the Load Regime of a 40 MVA 110/6 kV Transformer Razvan Petrenci; Mihaela Frigura-Iliasa; Flaviu Frigura-Iliasa; Lia Dolga; Hannelore E. Filipescu; Doru Vatau	
	20th International Scientific Conference on Electric Power Engineering (EPE) 2019 Conference Paper Publisher: IEEE	
	VHDL-AMS Modelling And FPGA Implementation Of Electrodermal Centers Analyzer Hannelore Filipescu; Petru Papazian	6
	2019 42nd International Conference on Telecommunications and Signal Processing (TSP) Year: 2019 Conference Paper Publisher: IEEE	
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	DL-AMS Modelling And FPGA Implementation Of Electrodermal ters Analyzer	•
	nelore Filipescu; Petru Papazian	
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	Computer Aided Model for an Off-grid Photovoltaic System Using Batteries Only Emil Lazarescu; Flaviu M. Frigura-Iliasa; Marius Mirica; Mihaela Frigura-Iliasa; Lia Dolga;	6
	Hannelore E. Filipescu	
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Visual servoing systems based control of complex autonomous systems serving a P/RML

George Petrea; Adrian Filipescu; Razvan. Solea; Adriana Filipescu

2018 22nd International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2018 | Conference Paper | Publisher: IEEE

Trajectory Tracking Nonlinear Control and Narrow Spaces Navigation of a WMR

Razvan Solea; George Ciubucciu; Daniela Cernega; Adrian Filipescu; Ion Voncila 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC)

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Extended Approach for Modelling and simulation of Mechatronics Lines Served by Collaborative Mobile Robots



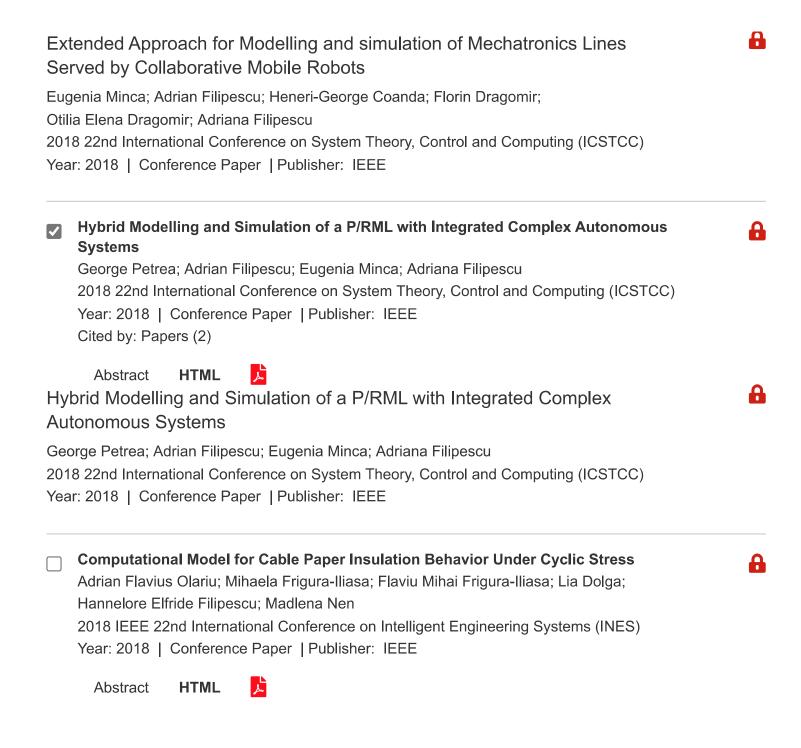
Eugenia Minca; Adrian Filipescu; Heneri-George Coanda; Florin Dragomir; Otilia Elena Dragomir; Adriana Filipescu

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Computational Model for Cable Paper Insulation Behavior Under Cyclic Stress Adrian Flavius Olariu; Mihaela Frigura-Iliasa; Flaviu Mihai Frigura-Iliasa; Lia Dolga; Hannelore Elfride Filipescu; Madlena Nen 2018 IEEE 22nd International Conference on Intelligent Engineering Systems (INES) Year: 2018 | Conference Paper | Publisher: IEEE An Original Computational Method for Assessing Active Lossess Inside Asynchronous **Motors** Alexandra Popescu; Mihaela Frigura-Iliasa; Doru Vatau; Flaviu Mihai Frigura-Iliasa; Lia Dolga; Hannelore Elfride Filipescu 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) Year: 2018 | Conference Paper | Publisher: IEEE <u>ا</u>ر Abstract HTML An Original Computational Method for Assessing Active Lossess Inside **Asynchronous Motors** Alexandra Popescu; Mihaela Frigura-Iliasa; Doru Vatau; Flaviu Mihai Frigura-Iliasa; Lia Dolga; Hannelore Elfride Filipescu 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) Year: 2018 | Conference Paper | Publisher: | EEE Trajectory-Tracking Sliding-Mode Control of the Autonomous Wheelchair Modeled as a Nonholonomic WMR A. Filipescu; R. Solea; A. Filipescu; G. Stamatescu; G. Ciubucciu

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Year: 2018 | Conference Paper | Publisher: IEEE

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Trajectory-Tracking Sliding-Mode Control of the Autonomous Wheelchair Modeled as a Nonholonomic WMR

A. Filipescu; R. Solea; A. Filipescu; G. Stamatescu; G. Ciubucciu

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Study about some two main dopants for a ZnO based varistor material with 5 additives, applied in overvoltage protection equipment



Cosmin Rimescu; Emil Lazarescu; Flaviu M. Frigura-Iliasa; Mihaela Frigura-Iliasa; Lia Dolga;

Hannelore E. Filipescu

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CAD project of a class D surge arrester module for domestic and residential low voltage applications



Emil Lazarescu; Cosmin Rimescu; Flaviu M. Frigura-Iliasa; Lia Dolga; Hannelore E. Filipescu; Andreea A. Anghel

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CAD based solution for the refurbishment of existing construction elements

Cosmin Rimescu; Andreea Anamaria Anghel; Flaviu Mihai Frigura-Iliasa; Hannelore Filipescu 2018 IEEE 16th World Symposium on Applied Machine Intelligence and Informatics (SAMI)

Year: 2018 | Conference Paper | Publisher: IEEE

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Year: 2018 | Conference Paper | Publisher: IEEE

A new solution for a domestic low voltage surge-arrester

Cosmin Rimescu; Flaviu M. Frigura-Iliasa; Lia Dolga; Hannelore Filipescu; Madlena Nen 2017 10th International Conference on Electrical and Electronics Engineering (ELECO)

Year: 2017 | Conference Paper | Publisher: IEEE

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A new solution for a domestic low voltage surge-arrester Cosmin Rimescu; Flaviu M. Frigura-Iliasa; Lia Dolga; Hannelore Filipescu; Madlena Nen 2017 10th International Conference on Electrical and Electronics Engineering (ELECO) Year: 2017 | Conference Paper | Publisher: IEEE SHPN modelling, visual servoing and control of WMR with RM integrated into P/RML Adrian Filipescu; Razvan Solea; Daniela Cernega; Adriana Filipescu; George Ciubucciu; George Petrea 2017 21st International Conference on System Theory, Control and Computing (ICSTCC) Year: 2017 | Conference Paper | Publisher: IEEE HTML کر Abstract SHPN modelling, visual servoing and control of WMR with RM integrated into P/RML Adrian Filipescu; Razvan Solea; Daniela Cernega; Adriana Filipescu; George Ciubucciu; George Petrea 2017 21st International Conference on System Theory, Control and Computing (ICSTCC) Year: 2017 | Conference Paper | Publisher: IEEE SHPN models based simulation and control of mobile robotic systems integrated into A/DML Adrian Filipescu; Daniela Cernega; Adriana Filipescu; Razvan Solea; Eugenia Minca 2017 21st International Conference on System Theory, Control and Computing (ICSTCC) Year: 2017 | Conference Paper | Publisher: IEEE <u>ا</u> Abstract HTML

SHPN models based simulation and control of mobile robotic systems integrated into A/DML

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Year: 2017 | Conference Paper | Publisher: IEEE

Visual servoing and obstacle avoidance method based control autonomous robotic systems servicing a mechatronics manufacturing line

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George Ciubucciu; Razvan Solea; Adrian Filipescu; Adriana Filipescu 2017 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)

Year: 2017 | Conference Paper | Publisher: IEEE

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Visual servoing and obstacle avoidance method based control autonomous robotic systems servicing a mechatronics manufacturing line

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George Ciubucciu; Razvan Solea; Adrian Filipescu; Adriana Filipescu 2017 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)

Year: 2017 | Volume: 2 | Conference Paper | Publisher: IEEE

Hybrid modeling, balancing and control of a mechatronics line served by two mobile robots



Adrian Filipescu; Adriana Filipescu; Alina Voda; Eugenia Minca 2016 20th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2016 | Conference Paper | Publisher: IEEE

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2016 20th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2016 | Conference Paper | Publisher: IEEE

Control and obstacle avoidance of a WMR, based on sliding-mode, ultrasounds and laser



George Ciubucciu; Adrian Filipescu; Adriana Filipescu; Silviu Filipescu; Bogdan Dumitrascu 2016 12th IEEE International Conference on Control and Automation (ICCA)

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Control and obstacle avoidance of a WMR, based on sliding-mode, ultrasounds and laser



George Ciubucciu; Adrian Filipescu; Adriana Filipescu; Silviu Filipescu;

Bogdan Dumitrascu

2016 12th IEEE International Conference on Control and Automation (ICCA)

Year: 2016 | Conference Paper | Publisher: IEEE

Sliding-mode control and sonnar based bubble rebound obstacle avoidance for a WMR



Alina Voda

2015 19th International Conference on System Theory, Control and Computing (ICSTCC)

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Sliding-mode control and sonnar based bubble rebound obstacle avoidance for a WMR Adrian Filipescu; Bogdan Dumitrascu; Adriana Filipescu; George Ciubucciu;

2015 19th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2015 | Conference Paper | Publisher: IEEE

Cycle time optimization of a reversible A/DML served by a mobile robotic system Eugenia Minca; H-G Coanda; Florin Dragomir; Otilia Dragomir; Adrian Filipescu 2015 19th International Conference on System Theory, Control and Computing (ICSTCC)

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Eugenia Minca; Alina Voda

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Cycle time optimization of a reversible A/DML served by a mobile robotic system

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Year: 2015 | Conference Paper | Publisher: IEEE

Wheelchair control and navigation based on kinematic model and iris movement

Razvan Solea; Adrian Filipescu; Adriana Filipescu; Eugenia Minca; Silviu Filipescu 2015 IEEE 7th International Conference on Cybernetics and Intelligent Systems (CIS) and IEEE Conference on Robotics, Automation and Mechatronics (RAM)

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Speed estimators based control of permanent magnet syncronous motor

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Silviu Filipescu; Adrian Filipescu

2014 18th International Conference on System Theory, Control and Computing (ICSTCC)

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2014 18th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2014 | Conference Paper | Publisher: IEEE

Modeling and control of a mechatronics system served by a mobile platform equipped with manipulator



Adriana Filipescu; George Petrea; Adrian Filipescu; Silviu Filipescu

Proceedings of the 33rd Chinese Control Conference

Year: 2014 | Conference Paper | Publisher: IEEE

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Modeling and control of a mechatronics system served by a mobile platform equipped with manipulator Adriana Filipescu; George Petrea; Adrian Filipescu; Silviu Filipescu Proceedings of the 33rd Chinese Control Conference Year: 2014 | Conference Paper | Publisher: IEEE Energy Calibration of the NewSUBARU Storage Ring for Laser Compton-Scattering Gamma Rays and Applications Hiroaki Utsunomiya; Tatsushi Shima; Keiji Takahisa; Dan Mihai Filipescu; Ovidiu Tesileanu; Ioana Gheorghe; Hilde-Therese Nyhus; Therese Renstrøm; Yiu-Wing Lui; Yasuhisa Kitagawa; Sho Amano; Shuji Miyamoto IEEE Transactions on Nuclear Science Year: 2014 | Volume: 61, Issue: 3 | Journal Article | Publisher: IEEE Cited by: Papers (39) کر Abstract HTML Energy Calibration of the NewSUBARU Storage Ring for Laser Compton-Scattering Gamma Rays and Applications Hiroaki Utsunomiya; Tatsushi Shima; Keiji Takahisa; Dan Mihai Filipescu; Ovidiu Tesileanu; Ioana Gheorghe; Hilde-Therese Nyhus; Therese Renstrøm; Yiu-Wing Lui; Yasuhisa Kitagawa; Sho Amano; Shuji Miyamoto IEEE Transactions on Nuclear Science Year: 2014 | Volume: 61, Issue: 3 | Journal Article | Publisher: IEEE Energy calibration of the NewSUBARU storage ring by laser compton-scattering gamma rays and its applications Hiroaki Utsunomiya; Tatsushi Shima; Keiji Takahisa; Dan Mihai Filipescu; Ovidiu Tesileanu; Ioana Gheorghe; Hilde-Therese Nyhus; Therese Renstrøm; Yiu-Wing Lui; Yasuhisa Kitagawa; Sho Amano; Shuji Miyamoto 2013 IEEE Nuclear Science Symposium and Medical Imaging Conference (2013 NSS/MIC)

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Energy calibration of the NewSUBARU storage ring by laser comptonscattering gamma rays and its applications

Hiroaki Utsunomiya; Tatsushi Shima; Keiji Takahisa; Dan Mihai Filipescu;

Ovidiu Tesileanu; Ioana Gheorghe; Hilde-Therese Nyhus; Therese Renstrøm;

Yiu-Wing Lui; Yasuhisa Kitagawa; Sho Amano; Shuji Miyamoto

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NSS/MIC)

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Hybrid modelling based control of an processing/reprocessing mechatronics line served by an autonomous robotic system

G. Petrea; A. Filipescu; A. Filipescu; A. Serbencu; Eugenia Minca; Alina Voda 2013 17th International Conference on System Theory, Control and Computing (ICSTCC)

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Laser-based obstacle avoidance algorithm for four driving/steering wheels autonomous vehicle

B. Dumitrascu; A. Filipescu; G. Petrea; S. Filipescu; Eugenia Minca; Alina Voda 2013 17th International Conference on System Theory, Control and Computing (ICSTCC)

Year: 2013 | Conference Paper | Publisher: IEEE Cited by: Papers (5) 7 Abstract HTML Laser-based obstacle avoidance algorithm for four driving/steering wheels autonomous vehicle B. Dumitrascu; A. Filipescu; G. Petrea; S. Filipescu; Eugenia Minca; Alina Voda 2013 17th International Conference on System Theory, Control and Computing (ICSTCC) Year: 2013 | Conference Paper | Publisher: IEEE Discrete modelling based control of a processing/reprocessing mechatronics line served by an autonomous robotic system A. Filipescu; G. Petrea; A. Filipescu; S. Filipescu; E. Minca 2013 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Year: 2013 | Conference Paper | Publisher: IEEE Cited by: Papers (2) Abstract HTML Discrete modelling based control of a processing/reprocessing mechatronics line served by an autonomous robotic system A. Filipescu; G. Petrea; A. Filipescu; S. Filipescu; E. Minca 2013 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Year: 2013 | Conference Paper | Publisher: IEEE A theoretical approach of the generalized hybrid model based control of repetitive processes Eugenia Minca; Adrian Filipescu; Alina Voda 2013 9th Asian Control Conference (ASCC) Year: 2013 | Conference Paper | Publisher: IEEE Cited by: Papers (1)

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New approach in control of assembly/disassembly line served by robotic manipulator mounted on mobile platform

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Two approaches in modeling of assembly/disassembly line with integrated manipulator mounted on mobile platform



E. Minca; V. Stefan; A. Filipescu; A. Serbencu; A. Filipescu

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Control of automatic robot with guided manipulator integrated into flexible manufacturing system using Hybrid Petri Nets



A. Voda; A. Radaschin; E. Minca; A. Filipescu

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Hybrid system control of an assembly/disassembly mechatronic line using robotic manipulator mounted on mobile platform



Adrian Filipescu; Silviu Filipescu; Eugenia Minca

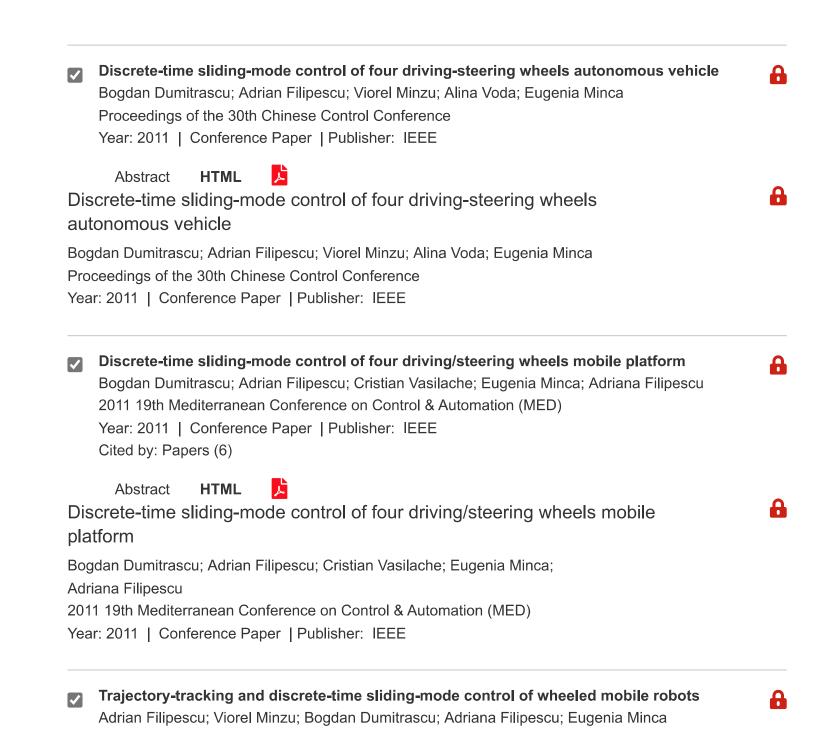
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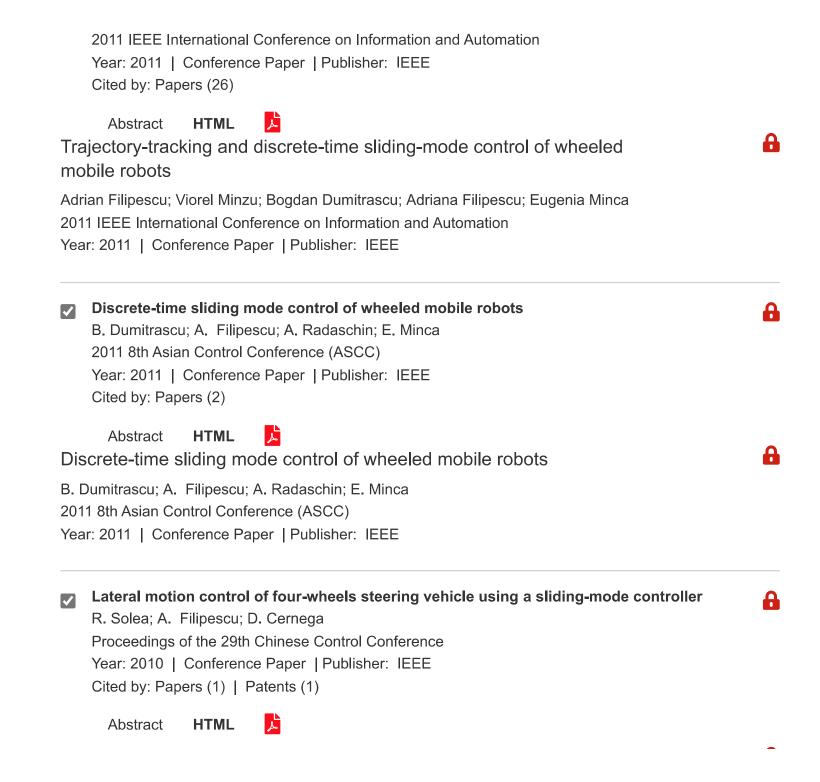
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Sliding-mode controller for four-wheel-steering vehicle: Trajectory-tracking problem

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The bubble rebound obstacle avoidance algorithm for mobile robots



I. Susnea; A. Filipescu; G. Vasiliu; G. Coman; A. Radaschin

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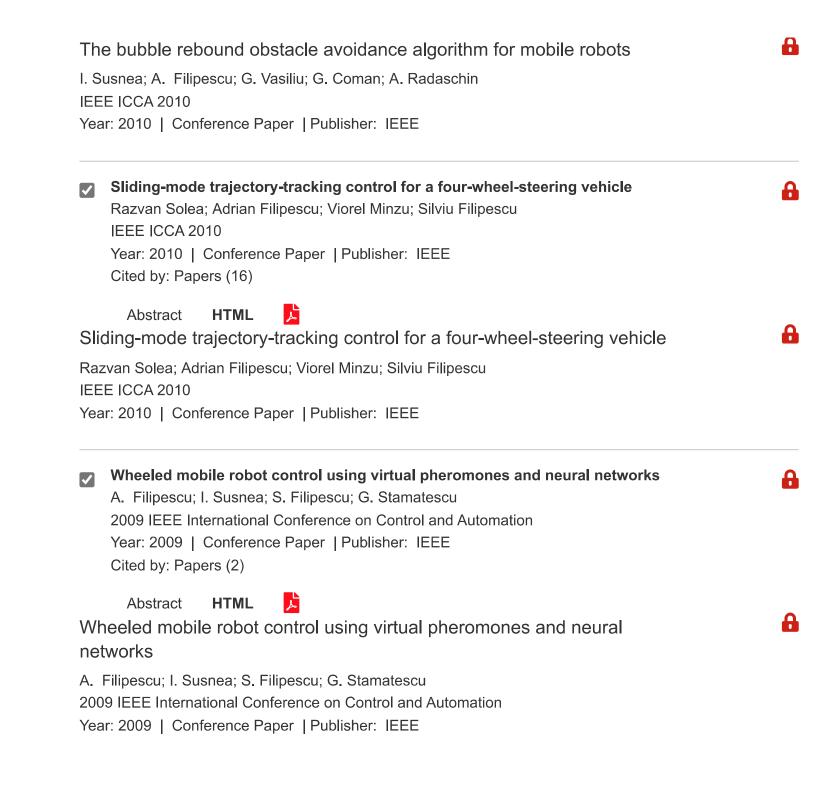
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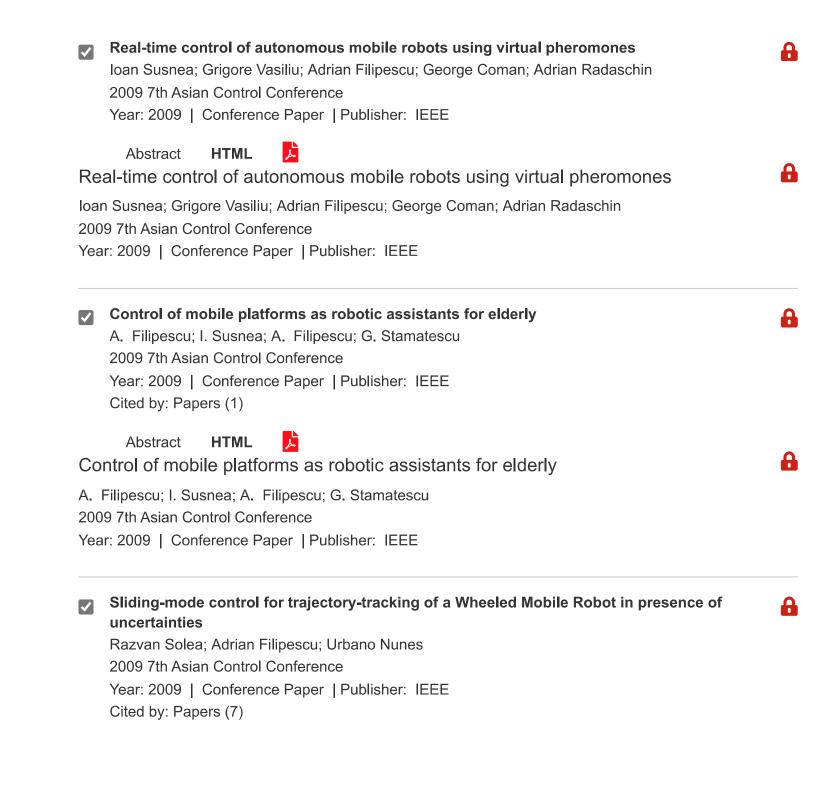
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On-line Parameter Estimation and Adaptive Gain Smooth Sliding Observer-Controller for Robotic Manipulator Control

Robotic Manipulator Control

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Smooth variable structure observer controller with adaptive gains: Application to robot manipulators control

A. Filipescu; L. Dugard; J. M. Dion

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Adaptive gain sliding observer based sliding controller for uncertain parameters nonlinear systems. Application to flexible joint robots



A. Filipescu; L. Dugard; J.-M. Dion

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