Klaus Schilling

List of Publications by Year
in descending order

171 papers	1,314 citations	516710 16 h-index	552781 26 g-index
177 all docs	177 docs citations	177 times ranked	1145 citing authors

#	Article	IF	Citations
1	First demonstration of collision avoidance and orbit control for pico-satellites â€" UWE-4. Acta Astronautica, 2021, 185, 244-256.	3.2	3
2	Extended Ground Station Concept and its Impact on the In-Orbit Communication with the Four-Nano-Satellite Formation NetSat. , 2021, , .		1
3	Digital Manufacturing for Smart Small Satellites Systems. Procedia Computer Science, 2021, 180, 150-161.	2.0	7
4	UWE-4: First Electric Propulsion on a 1U CubeSatâ€"In-Orbit Experiments and Characterization. Aerospace, 2020, 7, 98.	2.2	21
5	Small satellites for space science. Advances in Space Research, 2019, 64, 1466-1517.	2.6	85
6	Interference-Free Contact Plan Design for Wireless Communication in Space-Terrestrial Networks. , 2019, , .		3
7	Path Planning for Multiple UAVs Covering Disjoint Non-convex Areas. , 2019, , .		2
8	The Eins3D project â€" Instantaneous UAV-Based 3D Mapping for Search and Rescue Applications. , 2019, , .		13
9	Comparing Human Factors for Augmented Reality Supported Single-User and Collaborative Repair Operations of Industrial Robots. Frontiers in Robotics and AI, 2019, 6, 37.	3.2	25
10	Combining Distributed Consensus with Robust Hâˆž-Control for Satellite Formation Flying. Electronics (Switzerland), 2019, 8, 319.	3.1	10
11	A fault tolerant proxy protocol preserving both data and timing and its usage in industrial tele maintenance. IFAC-PapersOnLine, 2019, 52, 7-12.	0.9	1
12	Is Big Data About to Retire Expert Knowledge? A Predictive Maintenance Study. IFAC-PapersOnLine, 2019, 52, 1-6.	0.9	7
13	Inverse Dynamics based Model Predictive Control for Spacecraft Rapid Attitude Maneuver. IFAC-PapersOnLine, 2019, 52, 111-116.	0.9	8
14	SDRE Control with Nonlinear J2 Perturbations for Nanosatellite Formation Flying. IFAC-PapersOnLine, 2019, 52, 448-453.	0.9	4
15	Throughput-optimal joint routing and scheduling for low-earth-orbit satellite networks. , 2018, , .		3
16	Using picosatellites for 4-D imaging of volcanic clouds: Proof of concept using ISS photography of the 2009 Sarychev Peak eruption. Remote Sensing of Environment, 2018, 210, 519-530.	11.0	10
17	Orbit design and control method for satellite clusters and its applications to NetSat project. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 1559-1570.	1.3	3
18	Comparing Different Augmented Reality Support Applications for Cooperative Repair of an Industrial Robot. , 2018, , .		17

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19	QoS for industrial telemaintenance ☆ ☆This work is funded by the Bayerisches Staatsministerium fÃ¼r Wirtschaft und Medien, Energie und Technologie in its R&D program Bayern Digital.. IFAC-PapersOnLine, 2018, 51, 181-186.	0.9	4
20	Model Predictive Control for Continuous Low Thrust Satellite Formation Flying. IFAC-PapersOnLine, 2018, 51, 12-17.	0.9	5
21	Projector-based Augmented Reality for Telemaintenance Support. IFAC-PapersOnLine, 2018, 51, 502-507.	0.9	7
22	Towards a Predictive Maintenance System of a Hydraulic Pump. IFAC-PapersOnLine, 2018, 51, 447-452.	0.9	13
23	Benchmarking Structure from Motion Algorithms of Urban Environments with Applications to Reconnaissance in Search and Rescue Scenarios. , 2018, , .		5
24	DARTS â€" Distributed Aperture Radio Telescope in Space â€" First Starlight Explorer. , 2018, , .		0
25	Control of Multi-Picosatellite Systems: Tiny Scripting Language and Multi-Layer Compass Protocol. , 2018, , .		2
26	Bandwidth management for mobile mode of mobile monitoring system for Indonesian Volcano. AIP Conference Proceedings, 2017, , .	0.4	2
27	Autonomously controlling flexible timelines: From domain-independent planning to robust execution. , 2017, , .		2
28	An Exploration Study for Augmented and Virtual Reality Enhancing Situation Awareness for Plant Teleanalysis. , 2017, , .		1
29	Approximate Artery Elasticity Using Linear Springs. Journal of Medical and Biological Engineering, 2017, 37, 899-911.	1.8	2
30	Perspectives for miniaturized, distributed, networked cooperating systems for space exploration. Robotics and Autonomous Systems, 2017, 90, 118-124.	5.1	25
31	Tracking Algorithms for Cooperative Telemaintenance Repair Operations * *funded by the Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology in its R&D program â€˜Bayern digitalâ€™.. IFAC-PapersOnLine, 2017, 50, 331-336.	0.9	2
32	User Study on the Facility Asynchronous Data Analysis Tool (FADAT) for Teleanalysis and Optimization of an Industrial Robot Plant * *funded by the Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology in its R&D programs â€˜MainTelRobâ€™ and â€˜Bayern digitalâ€™.. IFAC-PapersOnLine, 2017, 50, 11239-11244.	0.9	1
33	Signed Distance Function Based Surface Reconstruction of a Submerged Inland Mine Using Continuous-time SLAM. IFAC-PapersOnLine, 2017, 50, 1139-1144.	0.9	8
34	Spacecraft Autonomous Reaction Capabilities, Control Approaches, and Self-aware Computing. , 2017, , 687-706.		0
35	Spatial projection of thermal data for visual inspection. , 2016, , .		4
36	New Hardware-in-the-Loop Testing Concept for Small Satellite Formation Control Based on Mobile Robot Platforms. IFAC-PapersOnLine, 2016, 49, 65-70.	0.9	2

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37	The Adaptive Management and Security System for Maintenance and Teleoperation of Industrial Robots**This work was funded by the Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology as part of the R&D program â€œInformation and Communication Technologyâ€. IFAC-PapersOnLine, 2016, 49, 6-11.	0.9	2
38	Cooperative Remote Repair Task in an Active Production Line For Industrial Internet Telemaintenance**funded by the Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology in its R&D program â€˜Information and Communication Technologyâ€™.. IFAC-PapersOnLine, 2016, 49, 18-23.	0.9	3
39	Introducing the Facility Asynchronous Data Analysis Tool (FADAT) to optimize productive machine cycle in industrial plants**This work was funded by the Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology as part of the R&D program â€œInformation and Communication Technologyâ€. IFAC-PapersOnLine, 2016, 49, 302-307.	0.9	2
40	Extension of a telemedicine framework for analysis of industrial machinery data. IFAC-PapersOnLine, 2016, 49, 314-319.	0.9	0
41	SRRT* - a probabilistic optimal trajectory planner for problematic area structures. IFAC-PapersOnLine, 2016, 49, 331-336.	0.9	3
42	ARTab - using Virtual and Augmented Reality Methods for an improved Situation Awareness for Telemaintenance**funded by the Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology in its R&D program â€˜Bayern digitalâ€™.. IFAC-PapersOnLine, 2016, 49, 204-209.	0.9	25
43	Preparation of Papers for IFAC Conferences & Symposia: Guidance, Navigation, and Control for Future Miniature Satellite Formations: Current Limitations and Impending Advancements. IFAC-PapersOnLine, 2016, 49, 290-295.	0.9	1
44	A wearable 1-lead necklace ECG for continuous heart rate monitoring. , 2016, , .		9
45	Industrial maintenance with augmented reality. , 2016, , .		8
46	Simulator for Minimally Invasive Vascular Interventions: Hardware and Software. Presence: Teleoperators and Virtual Environments, 2016, 25, 108-128.	0.6	5
47	Design of an Advanced Telemedicine System for Remote Supervision. IEEE Systems Journal, 2016, 10, 1089-1097.	4.6	15
48	Automated Extraction of Network Traffic Models Suitable for Performance Simulation. , 2016, , .		2
49	Redefining voting to enable simultaneous multioperator robot navigation. IFAC-PapersOnLine, 2015, 48, 170-175.	0.9	0
50	The line Coating Robot - an automated mobile System for high Precision Powder Coating. IFAC-PapersOnLine, 2015, 48, 58-62.	0.9	0
51	Fixed-mode of mobile monitoring system for Indonesian volcano. , 2015, , .		2
52	A Evaluation Test Bed for Outdoor Localization Algorithms Using a High-Precision Positioning System. IFAC-PapersOnLine, 2015, 48, 34-40.	0.9	3
53	Autonomous Collision Avoidance for Rendezvous and Docking in Space Using Photonic Mixer Devices. IFAC-PapersOnLine, 2015, 48, 239-244.	0.9	3
54	RRTCAPˆ— - RRTˆ— Controller and Planner - Simultaneous Motion and Planning. IFAC-PapersOnLine, 2015, 48, 52-57.	0.9	0

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55	Telemedical Applications with Rulebased Descision- and Information-Systems (TARDIS). IFAC-PapersOnLine, 2015, 48, 7-11.	0.9	4
56	Evaluation of Methods for Robotic Mapping of Cultural Heritage Sites. IFAC-PapersOnLine, 2015, 48, 105-110.	0.9	6
57	Design process for user interaction with robotic manipulators in industrial internet applications. , 2015, , .		4
58	Evaluation of a Backpack-Mounted 3D Mobile Scanning System. Remote Sensing, 2015, 7, 13753-13781.	4.0	41
59	Mobile Monitoring System for Indonesian volcano. , 2015, , .		4
60	UNISEC-Global challenge: How can UNISEC-Global contribute to long term sustainability of space activities?. , 2015, , .		4
61	Augmented Reality for Telemaintenance and -inspection in Force-Sensitive Industrial Robot Applications. IFAC-PapersOnLine, 2015, 48, 153-158.	0.9	10
62	Teleoperation of an Industrial Robot in an Active Production Line. IFAC-PapersOnLine, 2015, 48, 159-164.	0.9	20
63	Realâ€time Robust Six Degrees of Freedom Object Pose Estimation with a Timeâ€ofâ€flight Camera and a Color Camera. Journal of Field Robotics, 2015, 32, 61-84.	6.0	5
64	Relative pose estimation of satellites using PMD-/CCD-sensor data fusion. Acta Astronautica, 2015, 109, 25-33.	3.2	39
65	Adaptive teleoperation using intelligent dynamic voting. IFAC-PapersOnLine, 2015, 48, 111-116.	0.9	3
66	Risk Assessment of Flight Paths for Automatic Emergency Parachute Deployment in UAVs. IFAC-PapersOnLine, 2015, 48, 180-185.	0.9	10
67	Automation of a multiple robot self-organizing multi-hop mobile ad-hoc network (MANET) using signal strength. , 2015, , .		2
68	Simple Orbit and Attitude Control Using Vacuum Arc Thrusters for Picosatellites. Journal of Spacecraft and Rockets, 2014, 51, 2008-2015.	1.9	14
69	Networked Control of Cooperating Distributed Pico-Satellites. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7960-7964.	0.4	5
70	Communication in Distributed Satellite Systems. , 2013, , 345-354.		5
71	Control and navigation in manoeuvres of formations of unmanned mobile vehicles. European Journal of Control, 2013, 19, 157-171.	2.6	19
72	Reply to the Discussions on: â€œControl and navigation in manoeuvres of formations of unmanned mobile vehiclesâ€. European Journal of Control, 2013, 19, 176-177.	2.6	0

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73	Readiness in formation control of multi-robot system. , 2013, , .		1
74	A Spatial Augmented Reality system for intuitive display of robotic data. , 2013, , .		37
75	Improving patient comfort using model predictive control in robot-assisted radiotherapy. , 2013, , .		0
76	A Distributed Network of Microcontrollers for Mobile Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 132-137.	0.4	0
77	Design and Development of a Robotic Teleoperation System using Duplex WebSockets suitable for Variable Bandwidth Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 57-61.	0.4	3
78	Telerobotics for education: A marriage of Pedagogy and Technology Management. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 198-202.	0.4	3
79	PICO-SATELLITE ORBIT AND ATTITUDE CONTROL BY ELECTRIC PROPULSION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 277-282.	0.4	5
80	Evaluation and Performance Optimization of PMD Camera for RvD Application*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 149-154.	0.4	4
81	Augmented Reality Exocentric Navigation Paradigm for Time Delayed Teleoperation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1-6.	0.4	3
82	Analysis Of Wireless Networks for Satellite Swarm Missions*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 68-73.	0.4	1
83	Trajectory Planning for Car-Like Robots using Rapidly Exploring Random Trees*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 44-49.	0.4	4
84	Range extension of the PMD sensor with regard to applications in space*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 324-329.	0.4	2
85	New Testing Facility for Proximity Operations in Space. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 353-358.	0.4	4
86	On-line Collision Detection in Space Using Photonic Mixer Devices. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 143-148.	0.4	2
87	Advanced Autonomy for Low Cost Ground Stations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 388-392.	0.4	1
88	Robust and Efficient OBDH Core Module for the Flexible Picosatellite Bus UWE-3. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 218-223.	0.4	4
89	Robust Satellite Engineering in Educational Cubesat Missions at the Example of the UWE-3 Project. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 236-241.	0.4	0
90	Maintenance and Telematics for Robots (MainTelRob). IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 113-118.	0.4	8

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91	Remote Biological and Robotic Sensor Networks for Environmental Monitoring. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 138-143.	0.4	2
92	Signal Strength Based MANET Routing Protocol: Cost Calculation and Performance Evaluation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 144-149.	0.4	2
93	Analysis of WebSockets as the New Age Protocol for Remote Robot Tele-operation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 83-88.	0.4	13
94	Control of a HexaPOD treatment couch for robot-assisted radiotherapy. Biomedizinische Technik, 2012, 57, 333-51.	0.8	2
95	Setting up a surveillance system in the civil domain with cooperating UAVs and UGVs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 19-24.	0.4	2
96	Evaluation of a Drive Assistance Function for Older Adults. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 176-181.	0.4	4
97	Constraints of Potential Field for Obstacle Avoidance on Car-like Mobile Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 169-175.	0.4	9
98	Link Analysis for Networked Control Systems over Mobile and Wireless Communication Networks in Telehealth. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1-6.	0.4	2
99	Advanced Techniques for Spacecraft Motion Estimation Using PMD Sensors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 320-325.	0.4	4
100	Formation flight line of sight guidance. Acta Astronautica, 2012, 71, 163-169.	3.2	3
101	Machine and robotic networking [Guest Editorial]. IEEE Network, 2012, 26, 4-5.	6.9	0
102	Support of power plant telemaintenance with robots by Augmented Reality methods. , 2012, , .		4
103	Mobility Assistance for Older People. Applied Bionics and Biomechanics, 2012, 9, 69-83.	1.1	9
104	Tele-medicine techniques for remote support of patients in dialysis and COPD. , 2011, , .		2
105	Model Predictive Control for Tumor Motion Compensation in Robot Assisted Radiotherapy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5968-5973.	0.4	6
106	Intersatellite Links and Relative Navigation: Pre-conditions for Formation Flights with Pico- and Nanosatellites. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3027-3032.	0.4	6
107	Model-based spacecraft pose estimation and motion prediction using a photonic mixer device camera. Acta Astronautica, 2011, 68, 1156-1167.	3.2	32
108	An Augmented Reality Supported Control System for Remote Operation and Monitoring of an Industrial Work Cell. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 83-88.	0.4	4

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109	Ground Station Majority Voting for Communication Improvement in Ground Station Networks. , 2010, , .		4
110	Satellite operation improvement through efficient data combination in ground station networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 524-530.	0.4	1
111	Automated Environmental Monitoring with Remote Biological Sensors for Large Areas*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 89-94.	0.4	1
112	On challenges of robot assisted radiotherapy for lung tumors. , 2010, , .		0
113	GPS/Galileo Testbed Using a High Precision Optical Positioning System. Lecture Notes in Computer Science, 2010, , 87-96.	1.3	5
114	Robust bilateral teleoperation of a car-like rover with communication delay. , 2009, , .		6
115	Application of coordinated multi-vehicle formations for snow shoveling on airports. Intelligent Service Robotics, 2009, 2, 205-217.	2.6	14
116	Earth observation by distributed networks of small satellites. , 2009, , .		7
117	Robotic and telematic assistant technologies to support aging people. , 2009, , .		0
118	Passive bilateral teleoperation of a car-like mobile robot. , 2009, , .		2
119	Control and navigation of formations of car-like robots on a receding horizon. , 2009, , .		20
120	Remote Experiments With Mobile-Robot Hardware via Internet at Limited Link Capacity. IEEE Transactions on Industrial Electronics, 2009, 56, 4798-4805.	7.9	17
121	On the Rendezvous problem for Groups of Car-like Mobile Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 50-55.	0.4	0
122	Integrating Teams of Mobile Robots in Wireless Ad-Hoc Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 111-116.	0.4	1
123	Towards a Predictive Mixed Reality User Interface for Mobile Robot Teleoperation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 91-96.	0.4	12
124	An extensible on-board data handling software platform for pico satellites. Acta Astronautica, 2008, 63, 1299-1304.	3.2	8
125	Challenges in realizing ad-hoc networks based on wireless LAN with mobile robots. , 2008, , .		10
126	Route scheduling approach for airport snow shoveling using formations of autonomous ploughs. , 2008, , .		10

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127	Commanding mobile robots via wireless ad-hoc networks &#x2014; A comparison of four ad-hoc routing protocol implementations. , 2008, , .		31
128	Design and evaluation of an user interface for the coordination of a group of mobile robots. , 2008, , .		5
129	Mensch-Roboter Interaktion in Rettungseinsätzen (Human-Robot Interaction in Rescue Operations). I-com, 2008, 7, 5-11.	1.3	0
130	Tele-operator assistance system for small rovers. Proceedings of SPIE, 2008, , .	0.8	0
131	Efficient airport snow shoveling by applying autonomous multi-vehicle formations. , 2008, , .		13
132	Input-to-State Stable Attitude Control. Journal of Guidance, Control, and Dynamics, 2008, 31, 1826-1829.	2.8	13
133	Pico-satellite capabilities for telecommunication and Earth observation. , 2008, , .		0
134	Attitude Determination for the Pico-Satellite UWE-2. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14036-14041.	0.4	16
135	Tumor tracking and motion compensation with an adaptive tumor tracking system (ATTS): System description and prototype testing. Medical Physics, 2008, 35, 3911-3921.	3.0	90
136	Analysis and characterization of the PMD camera for application in mobile robotics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 13689-13694.	0.4	15
137	Internet-Based Ground Stations Networks for Pico Satellites. , 2008, , .		4
138	The Small Outdoor Rover MERLIN and Its Assistance System for Tele-operations. Springer Tracts in Advanced Robotics, 2008, , 277-286.	0.4	6
139	THE PICO-SATELLITE UWE-1 AND IP BASED TELECOMMUNICATION EXPERIMENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 721-725.	0.4	4
140	DESIGN AND TEST OF AN AUTONOMOUS HELICOPTER FOR MULTI-VEHICLE COOPERATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 276-281.	0.4	1
141	ENHANCED MOTION PLANNING FOR DYNAMIC FORMATIONS OF NONHOLONOMIC MOBILE ROBOTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 433-438.	0.4	3
142	DESIGN AND EVALUATION OF A TELEOPERATION INTERFACE FOR HETEROGENEOUS HUMAN-ROBOT TEAMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 113-118.	0.4	4
143	POTENTIAL AND CHALLENGES OF STEREO AUGMENTED REALITY FOR MOBILE ROBOT TELEOPERATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 183-188.	0.4	5
144	Modeling and prediction of lung tumor motion for robotic assisted radiotherapy. , 2007, , .		7

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145	An Application Protocol to Integrate a Small Size Helicopter into an IP based Ad-Hoc Network. , 2007, , .		3
146	A Flexible Extension for Pico-Satellite Communication Based on Orbit Operation Results of UWE-1. , 2006, , .		8
147	FORMATION DRIVING USING PARTICLE SWARM OPTIMIZATION AND REACTIVE OBSTACLE AVOIDANCE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 32-37.	0.4	2
148	MIXED REALITY FOR TELEOPERATION OF MOBILE ROBOTS IN SEARCH AND RESCUE SCENARIOS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 267-272.	0.4	4
149	ADAPTIVE BACKSTEPPING SLIDING-MODE CONTROL WITH APPLICATION TO A FLEXIBLE-JOINT MANIPULATOR. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 55-60.	0.4	4
150	CubeSat UWE-1 - technology tests and in orbit results. , 2006, , .		12
151	The impact of automatic control on recent developments in transportation and vehicle systems. Annual Reviews in Control, 2006, 30, 81-89.	7.9	32
152	THE CASSINI / HUYGENS SPACE MISSION TO EXPLORE THE SATURNIAN SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 151-156.	0.4	3
153	A tele-experiment on rover motor control via internet. Journal of Field Robotics, 2005, 22, 123-130.	0.7	4
154	Robotâ€"human rescue teams: a user requirements analysis. Advanced Robotics, 2005, 19, 819-838.	1.8	22
155	Design of a Miniature Underwater Vehicle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 91-96.	0.4	0
156	<title>MERLIN vehicles for outdoor applications</title>. , 2002, , .		11
157	FIELD VEHICLE TELEOPERATIONS SUPPORT BY VIRTUAL REALITY INTERFACES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 173-176.	0.4	1
158	Testing of Planetary Rovers in Earth Environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 105-109.	0.4	0
159	TELE-MAINTENANCE OF INDUSTRIAL TRANSPORT ROBOTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 139-142.	0.4	8
160	HAPTIC INTERFACES FOR REMOTE CONTROL OF MOBILE ROBOTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 177-182.	0.4	2
161	Haptic interfaces for the remote control of mobile robots. Control Engineering Practice, 2002, 10, 1309-1313.	5.5	37
162	REMOTE CONTROL OF A â€œMARS ROVERâ€•VIA INTERNET â€" TO SUPPORT EDUCATION IN CONTROL AND TELEOPERATIONS. Acta Astronautica, 2002, 50, 173-178.	3.2	5

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163	Haptic Interfaces for Remote Control of Mobile Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 345-349.	0.4	1
164	Application of a real time expert system platform for flexible autonomous transport in industrial production. Computers in Industry, 1999, 38, 187-200.	9.9	10
165	Mobile Robots for Education in Telematics, Control and Mechatronics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 6382-6386.	0.4	5
166	Autonomous Navigation of Rovers for Planetary Exploration. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 83-87.	0.4	0
167	Low-Cost Sensor System for Free Navigation Capabilities of Industrial Transport Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 533-538.	0.4	4
168	<title>Teleoperated inspection robots for space and Earth applications</title>. , 1998, , .		2
169	An algorithm to solve boundary value problems for differential iinclusions and applications in optimal control. Numerical Functional Analysis and Optimization, 1989, 10, 733-764.	1.4	7
170	Constructive proofs of fixed point theorems for set valued operators by simplicial algorithms. Nonlinear Analysis: Theory, Methods & Applications, 1988, 12, 565-580.	1.1	2
171	An approach to control theory by fixed point algorithms. , 1987, , 56-67.		1