

Lista de lucrari granturi CCMR-UPT

– Selectie –

Lucrări indexate ISI/BDI publicate prin grantul ARUT 1364/01.02.2019 MECATRONIX

Lucrări publicate în reviste indexate BDI

1. Cristian MOLDOVAN, Valentin CIUPE, Valer DOLGA, Erwin-Christian LOVASZ, Inocentiu MANIU - Design and Novel Control Solution for a Modular Mechatronic Demonstrator with Video Feedback Used In Research and Education, ICMV 2019 Amsterdam 2019 Nov 15

Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate)

1. Cristian Moldovan, Valentin Ciupe, Ion Crastiu, Valer Dolga - Model free control of a 2DOF robotic arm using video feedback, ISEEE 2019 25 oct, Galati (in curs de indexare)
2. Cristian Moldovan, Valentin Ciupe, Hannelore Filipescu, Robert Kristof, Valer Dolga - Model-free Continuous to Discrete workspace transformation and path planning of a 2DOF serial arm for visual obstacle avoidance, MTM&Robotics 2020 Timisoara

Lucrări indexate ISI/BDI publicate prin grantul PNCDI2/ 13/2012

New Haptic Arm Exoskeletons for Robotics and Automation in Space – EXORAS

Lucrări publicate în reviste indexate Web of Science

1. Lovasz, E.-C., Margineanu, D.T., Ciupe, V., Maniu, I. Gruescu, C.M., Zabava, E.S., Stan, S.D.: Design and control solutions for haptic elbow exoskeleton module used in space telerobotics, *Mechanism and Machine Theory*, 107, (2017), 384-398, IP=1,689 (Q2-2017)

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1. Lovasz E.-C., Perju D., Modler K.-H., Gruescu C.M., Margineanu D., Moldovan C.E., Pop C.: Path Generating Belt Mechanisms as Kinematic Chains for Mechatronic Applications, Springer Publisher, Series: Mechanism and Machine Science, 24, 2015, 111-119.
2. Mărgineanu D.T., Lovasz E.-C., Ciupe V., Mateas M., Zabava E.S.: 3 DoF Haptic Exoskeleton for Space Telerobotic, Springer Publisher, Series: Mechanisms and Machine Science, 31, 2015, 279-287.

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1. Lovasz E.-C., Mateas M., Gruescu C.-M., Mărgineanu D.T., Carabas I., Stan S.-D.: Development of a quality indicator system for haptic exoskeleton modules, *Applied Mechanics and Materials*, 658, 2014, 648-653.
2. Margineanu D., Lovasz E.-C., Gruescu C.M., Ciupe V., Tatar, S.: 5 DoF haptic exoskeleton for space telerobotics – Shoulder module, Springer Publisher, Series: Mechanisms and Machine Science, 52, 2018, 401-411.
3. Ciupe V., Lovasz E.-C., Gruescu C.-M., Margineanu D.T., Maniu I.: Testing the haptic exoskeleton actuators in a virtual environment, 2015 IFToMM World Congress Proceedings, 2015, PS13-015.
4. Mateas M.C., Lovasz E.-C., Margineanu D.T., Ciupe V., Zabava E.S., Maniu I., Diaconu, A.: Control characteristics of haptic exoskeleton elbow module used in space robotised applications, *Applied Mechanics and Materials*, 658, 2014, 654-659.

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1. Lovasz E.-C., Ciupe V., Gruescu C.M., Margineanu D.: Study Regarding the Actuation Choice for the Elbow Module of an Exoskeleton Arm, *ROBOTICA SI MANAGEMENT International Journal* 18 (2013) 29-32.
 2. Lovasz E.-C., Mărgineanu D., Ciupe V., Stan S. D., Zăbavă E. - Synthesis And Design of an Elbow Module For a Haptic Device Used in Space Telerobotics, *International scientific Conference on Advances in Mechanical Engineering*, 2013, Debrecen, Hungary, CD-version.
 3. Lovasz E.-C., Mărgineanu D.T., Ciupe V., Maniu I., Gruescu C. M., Stan S.D., Zăbavă E.S. - Design and Control Solutions for Haptic Elbow Exoskeleton Module Used in Space Telerobotics, *The 3rd Asian Conference on Mechanism and Machine Science*, Tianjin, China , (2014) RM3-3, CD version.
 4. Ciupe V., Maniu I., Lovasz E.-C.: Structure and Control Method for a Pneumatic Muscle Actuated Seat Used in a Motion Simulator, *Conference on Robotics*, București, *Journal Applied Mechanics and Materials* 762 (2015) 83-90.
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1. Best paper Award for the paper on Design and Control Solutions for Haptic Elbow Exoskeleton Module Used in Space Telerobotics, *The 3rd Asian Conference on Mechanism and Machine Science*, Tianjin, China , 09 July 2014.

Lucrări indexate ISI/BDI publicate prin grantul *FP-7 CIP-ICT-PSP.2009.2.3/ 250485*

Digital Mechanism and Gear Library goes Europeana ThinkMOTION

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1. Lovasz E.-C., Perju D., Modler K.-H., Lovasz A.E., Maniu I., Gruescu C., Margineanu D., Ciupe V., Comsa A.: Demonstrative Digital Mechanisms Library, Applied Mechanics and Materials, 162, 2012, 37-46.
2. Ciupe V., Lovasz E.-C., Gruescu C.M.: High Quality Document Digitization Equipment, Applied Mechanics and Materials, 162, 2012, 589-596.
3. Comsa A., Maniu I., Modler N., Hufenbach W., Lovasz E.-C., Ciupe V.: An Overview of Library Automation Applied Mechanics and Materials, 162, 2012, 583-588.
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1. Lovasz A.E., Lovasz E.-C., Gruescu C.M.: Digital Library of Mechanisms, Procedia - Social and Behavioral Sciences, 163, (2014), 85-91, ISSN 1877-0428

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2. Lovasz E.C., Gruescu C.M., Ciupe V., Cărăbaș I., Margineanu D.T., Maniu I., Dehelean N.: Advanced digitization techniques in retrieval of mechanism and machine science resources, Springer Publisher, Series: Mechanisms and Machine Science, 8, 2012, 35-41.
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5. Pop C., Grigorescu S.M., Lovasz E.-C.: Image processing and artificial neural network for robot application, Springer Publisher, Series: Mechanisms and Machine Science, 658, 2014, 678-683.

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1. Lovasz E.-C., Perju D., Corves B., Torsen B., Modler K.-H., Maniu I., Gruescu C.M., Lovasz A.E., Ciupe V.: Multilingual Illustrated μ -thesaurus in Mechanisms Science, The 1st Workshop on Mechanisms, Transmissions and Applications, Timișoara, Springer Series: Mechanisms and Machine Science 3 (2011) 47-58.
2. Lovasz E.-C., Perju D., Corves B., Brix T., Maniu I., Modler K.-H., Lovasz A., Ciupe V., Maniu I. - Multilingual illustrated μ -thesaurus of "mechanism" indexing terms, The 13th World Congress in Mechanism and Machine Science, Guanajuato, Mexic, (2011) A27_404.

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1. Lovasz, A.E.: Dezvoltarea unei biblioteci digitale de mecanisme, Editura Politehnica, Timișoara, 2011.

Lucrări indexate ISI/BDI publicate prin grantul PN II 91-022/2007

Ergoingineria locului de muncă-aplicații în medicină dentară - ERGINDENT

Lucrări publicate în reviste indexate Web of Science

1. Penta,S.; Penta,V.; Lucianu,B.; Anghel,M.; Argesanu,V. : Thermographic Investigation of Ergonomic Medical Posture in Dentistry, Revista de Chimie (2015) 66 (7) 972- 975, (Q3)
2. Mocuta, D.; Comes, C.; Argesanu, V.: The Transition Impact on Life Quality in Romania, Metarlugia International (2009) 14 (16) 92 – 94 (Q4)

Lucrări publicate în conferințe indexate Web of Science

1. Zoltan, Farkas Andrei; Argesanu, Veronica Inocentiu, Maniu: Biomechanical simulation of different postures obtained from three sport branches, Conference: IEEE 16th International Symposium on Intelligent Systems and Informatics (SISY) Location: Subotica, SERBIA Date: SEP 13-15, 2018 2018 IEEE 16TH INTERNATIONAL SYMPOSIUM ON INTELLIGENT SYSTEMS AND INFORMATICS (SISY 2018) Book Series: International Symposium on Intelligent Systems and Informatics, (2018) 305-309.
2. Mateas, Marius; Argesanu, Veronica; Mateas, Iolanda: Considerations about the Use of Baropodometry in Lay Detection, Conference: 7th International Conference on Multidisciplinary Perspectives in the Quasi-Coercive Treatment of Offenders (SPECTO) - Groups with Special Needs in Community Measures Location: Timisoara, ROMANIA Date: SEP 13-14, 2018 INTERNATIONAL CONFERENCE MULTIDISCIPLINARY PERSPECTIVES IN THE QUASI-COERCIVE TREATMENT OF OFFENDERS (SPECTO), 7TH EDITION - GROUPS WITH SPECIAL NEEDS IN COMMUNITY MEASURES, (2018) 110-115.
3. Farkas, Andrei Zoltan; Mateas, Marius; Argesanu, Veronica: New Methods and Means to Assist the Probation Officers During the Probationer Interview, Conference: International Conference on Multidisciplinary Perspectives in the Quasi-Coercive Treatment of Offenders Location: Freiburg, GERMANY Date: MAY 11-12, 2017 INTERNATIONAL CONFERENCE MULTIDISCIPLINARY PERSPECTIVES IN THE QUASI-COERCIVE TREATMENT OF OFFENDERS (SPECTO), 6TH EDITION (2017) 35-40.
4. Mateas, Marius; Argesanu, Veronica; Mateas, Iolanda: Considerations about the use of stabilometry for the psychological evaluation, Conference: 5th International Conference on Multidisciplinary Perspectives in the Quasi-Coercive Treatment of Offenders (SPECT) Location: Timisoara, ROMANIA Date: MAR 31-APR 01, 2016, PROBATION AS A FIELD OF STUDY AND RESEARCH: FROM PERSON TO SOCIETY, (2016) 126-131.
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7. Kulcsar R.M.; Borozan I.S.; Argesanu V.: Experimental determination of the intervertebral stress, 12th IEEE International Symposium on Inteligent Systems and Informatics (SISY), (2014) 12 303 -307
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11. Car Finding with a Pedestrian Navigation System By: Popa, Mircea; Argesanu, Veronica; Popa, Anca Sorana Conference: 3rd Annual International Conference on Human System Interaction (HSI) Location: Rzeszow, POLAND Date: MAY 13-15, 2010; Univ Informat Technol & Management; IES 3RD INTERNATIONAL CONFERENCE ON HUMAN SYSTEM INTERACTION Book Series: Conference on Human System Interaction, (2010) 406-411.
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14. Argesanu, V.; Popa, A.; Jula, M.; Anghel, M.; Comes, C.A.; Stratul, S.I.: Visual Ambiance for Dental Practices, ANNALS of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, (2009) 20 1883-1884
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16. Mateas M.C. ; Argesan V. ; Mateas I: Considerations about thermal stress level evaluation methods, 4th International Conference on Psycho-Social Perspectives in the Quasi-Coercive Treatment of Offenders (SPECTO 2013) - Social Control and Vulnerable Groups, (2013) 4 371-375.

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24. Raul Miklos Kulcsar, Ion Borozan *, Veronica Argesanu, Inocentiu Maniu, Mihaela Jula, Felicia Streian, Tiberiu Puta, Adrian Nagel: Modeling, Simulation and Experimental Determination of the Spine Muscle’s Activities of the Driver, Applied Mechanics and Materials, (2015) 760 159-166.
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6. Vacarescu, V.; Vacarescu, C.F.; Argesanu, V.; Draghici, A.; Crastiu, I.; The differential modeling of end-effector's pose errors applied to robots calibration, Annals of DAAAM and Proceedings of the International DAAAM Symposium (2010) 21 11 -12.
7. Kulcsar, R.M.; Talpos-Niculescu, C.; Argesanu, V.; Anghel, M.D.; Talpos-Niculescu, S.; Jianu, R.D.; Biomechanics of lumbar back pain in dentistry, Annals of DAAAM and Proceedings of the International DAAAM Symposium, (2010) 21 1369-1370.
8. Kulcsar, R.M.; Talpos-Niculescu, C.; Argesanu, V.; Anghel, M.D.; Talpos-Niculescu, S.; Jianu, R.D.: Thermo graphical methods in highlighting the muscle strain of dentists during dental treatments under the microscope, Annals of DAAAM and Proceedings of the International DAAAM Symposium, (2010) 21 1365-1366.

Brevete obținute

1. Dispozitiv mecatronic de determinare a sollicitarilor intervertebrale, OSIM nr. A/01102 in 12.11.2010.
2. Sistem ergo-mecatronic de urmarire a miscarilor capului uman, OSIM nr. A/01101 din 12.11.2010.

Cărți publicate

1. Veronica Argesanu V. Vacarescu: Ergoinginerie Aplicatii in medicina dentara, Ed. Eurostampa 978-606-569-158-2 2010

