

**TECHNICKÁ UNIVERZITA V KOŠICIACH
STROJNÍCKA FAKULTA**



**PREHĽAD PREUKÁZATEĽNÝCH CITÁCIÍ A OHLASOV
NA VEDECKÉ A ODBORNÉ PRÁCE**

**Ing. Rudolf Jánoš, PhD.
Košice 2019**

Domáce citácie

AAB001 [169304] **Presné polohovacie reduktory a aktuátory v pohonoch robotov** / Ján Semjon, Rudolf Jánoš, Marek Vagaš - 1. vyd. - Košice : UK TU - 2015. - 172 s.. - ISBN 978-80-553-2501-9. [SEMJON, Ján - JÁNOŠ, Rudolf - VAGAŠ, Marek]

Ohlasy:

2017 [4] MAKO, Peter Principles of mastering at Kuka robots In: Acta Mechatronica Roč. 2, č. 2 (2017), s. 7-12 ISSN: 2453-7306

ADC001 [180135] **Measurement of weight of objects without affecting the handling algorithm** / Marek Sukop ... [et al.] - 2016. In: International Journal of Advanced Robotic Systems. Vol. 13 no. 5 (2016), p. 14-19. - ISSN 1729-8814 [SUKOP, Marek - HAJDUK, Mikuláš - SEMJON, Ján - JÁNOŠ, Rudolf - VARGA, Jozef - VAGAŠ, Marek]

Ohlasy:

2017 [4] KURYLO, Piotr Shape memory alloy actuators In: Acta Mechatronica Roč. 2, č. 4 (2017), s. 1-4 ISSN: 2453-7306

ADC003 [186723] **Mutual comparison of developed actuators for robotic arms of service robots** / Ján Semjon ... [et al.] - 2017. In: International Journal of Advanced Robotic Systems. Vol. 14, no. 6 (2017), p. 1-8. - ISSN 1729-8814 [SEMJON, Ján - JÁNOŠ, Rudolf - SUKOP, Marek - VAGAŠ, Marek - VARGA, Jozef - HRONCOVÁ, Darina - GMITERKO, Alexander]

Ohlasy:

2017 [4] KURYLO, Piotr Shape memory alloy actuators In: Acta Mechatronica Roč. 2, č. 4 (2017), s. 1-4 ISSN: 2453-7306

ADC004 [187303] **Conceptual design of a leg-wheel chassis for rescue operations** / Rudolf Jánoš ... [et al.] - 2017. In: International Journal of Advanced Robotic Systems. Vol. 14, no. 6 (2017), p. 1-9. - ISSN 1729-8814 Spôsob prístupu: <http://journals.sagepub.com/doi/full/10.1177/1729881417743556>. [JÁNOŠ, Rudolf - SUKOP, Marek - SEMJON, Ján - VAGAŠ, Marek - GALAJDOVÁ, Alena - TULEJA, Peter - KOUKOLOVÁ, Lucia - MARCINKO, Peter]

Ohlasy:

2017 [4] KURYLO, Piotr Shape memory alloy actuators In: Acta Mechatronica Roč. 2, č. 4 (2017), s. 1-4 ISSN: 2453-7306

ADE003 [121501] **Modulárne robotické systémy** / Rudolf Jánoš - 2012. In: International Scientific Herald. Vol. 4, no. 23 (2012), p. 83-88. - ISSN 2218-5348 [JÁNOŠ, Rudolf]

Ohlasy:

2013 [4] JEZNÝ, Jaromír, VARGOVČÍK, Ladislav Hybridný podvozok robota In: ATP Journal Plus Č. 1 (2013), s. 14-16 ISSN: 1336-5010

ADF004 [121604] **Trendy vývoja v priemyselnej robotike** / Mikuláš Hajduk ... [et al.] - 2012. In: ATP Journal. Č. 5 (2012), s. 17-19. - ISSN 1335-2237 [HAJDUK, Mikuláš - JÁNOŠ, Rudolf - SUKOP, Marek - TULEJA, Peter - VARGA, Jozef]

Ohlasy:

2016 [4] LÖRINC, Milan Three axis linear portal manipulator In: Acta Mechatronica Roč. 1, č. 2 (2016), s. 27-30 ISSN: 2453-7306

ADF007 [154885] **Proposal of internal positioning system for mobile robotics** / Marek Sukop, Rudolf Jánoš - 2014. In: Transfer inovácií. Č. 30 (2014), s. 114-115. - ISSN 1337-7094 Spôsob prístupu: <http://www.sjf.tuke.sk/transferinovacii/pages/archiv/transfer/30-2014/pdf/114-115.pdf>.

[SUKOP, Marek - JÁNOŠ, Rudolf]

Ohlasy:

2016 [4] LÖRINC, Milan Three axis linear portal manipulator In: Acta Mechatronica Roč. 1, č. 2 (2016), s. 27-30 ISSN: 2453-7306

ADM001 [184384] **Testing of adhesive spray painting with robot** / Marek Sukop ... [et al.] - 2017. In: Technical gazette. Vol. 24, no. 2 (2017), p. 545-550. - ISSN 1330-3651

[SUKOP, Marek - HAJDUK, Mikuláš - SEMJON, Ján - VARGA, Jozef - JÁNOŠ, Rudolf - VAGAŠ, Marek - BEZÁK, Martin - VIRGALA, Ivan]

Ohlasy:

2017 [4] KURYLO, Piotr Shape memory alloy actuators In: Acta Mechatronica Roč. 2, č. 4 (2017), s. 1-4 ISSN: 2453-7306

AFC003 [118578] **The view to the current state of robotics** / Marek Vagaš ... [et al.] - 2012. In: Advanced Materials Research : International Conference on Advanced Materials Research (ICAMR 2012). - Switzerland : Trans Tech Publication, 2011 Vol. 463-464 (2012), p. 1711-1714. - ISBN 978-3-03785-363-4 - ISSN 1022-6680

[VAGAŠ, Marek - HAJDUK, Mikuláš - SEMJON, Ján - KOUKOLOVÁ, Lucia - JÁNOŠ, Rudolf]

Ohlasy:

2013 [4] JEZNY, Jaromír - VARGOVČÍK, Ladislav Hybridný podvozok robota In: ATP Journal Plus Č. 1 (2013), s. 14-16 ISSN: 1336-5010

AFD001 [97921] **Návrh pohonových jednotiek** / Rudolf Jánoš, Ján Semjon - 2010. In: ROBTEP 2010 - Automatizácia / Robotika v teórii a praxi : 10. celoštátna konferencia s medzinárodnou účasťou : 7.-9.6.2010, Bardejov- Bardejovské kúpele, Slovensko. - Košice : TU, Sjf, 2010 S. 151-158. - ISBN 978-80-553-0427-4

[JÁNOŠ, Rudolf - SEMJON, Ján]

Ohlasy:

2013 [4] JEZNY, Jaromír, VARGOVČÍK, Ladislav Hybridný podvozok robota In: ATP Journal Plus Č. 1 (2013), s. 14-16 ISSN: 1336-5010

2013 [4] NEMEC, Martin Biomechanické charakteristiky chôdze In: Robotics and intelligent manufacturing systems S. 47-50 ISBN: 978-80-553-1473-0

AFD005 [117999] **Kinematika kráčania 6 nohého servisného robota** / Rudolf Jánoš, Peter Tkáč - 2011. In: ROBTEP 2011 : Automatizácia / Robotika v teórii a praxi : 11. celoštátna konferencia s medzinárodnou účasťou : 16.12.2011, Košice. - Košice : Sjf TU, 2011 S. 111-114. - ISBN 978-80-553-0846-3

[JÁNOŠ, Rudolf - TKÁČ, Peter]

Ohlasy:

2013 [4] JEZNY, Jaromír, VARGOVČÍK, Ladislav Hybridný podvozok robota In: ATP Journal Plus Č. 1 (2013), s. 14-16 ISSN: 1336-5010

2013 [4] NEMEC, Martin Biomechanické charakteristiky chôdze In: Robotisc and intelligent manufacturing systems S. 47-50 ISBN: 978-80-553-1473-0

AFD006 [132511] **Design of service robot for rescue operations** / Rudolf Jánoš, Lucia Páchniková, Peter Tuleja - 2013. In: Applied Mechanics and Materials : ROBTEP 2012 : 11th International Conference

on Industrial, Service and Humanoid Robotics, Štrbské Pleso, Slovakia, 14-16 November 2012. Vol. 282
(2013), p. 123-126. - ISBN 978-303785603-1 - ISSN 1660-9336
[JÁNOŠ, Rudolf - KOUKOLOVÁ, Lucia - TULEJA, Peter]

Ohlasy:

2013 [4] NEMEC, Martin Biomechanické charakteristiky chôdze In: Robotics and intelligent
manufacturing systems S. 47-50 ISBN: 978-80-553-1473-0

Zahraničné citácie

ACB001 [143459] **Robotika** Metodika nasadzovania servisných robotov/ Juraj Smrček ... [et al.] - 1. vyd. - Košice : TU - 2013. - 203 s.. - ISBN 978-80-553-1523-2.

[SMRČEK, Juraj - HAJDUK, Mikuláš - BOBOVSKÝ, Zdenko - JÁNOŠ, Rudolf]

Ohlasy:

2014 [1] KYSEĽOVÁ, V. Industry as a key factor for economics recovery and competitiveness of the Europe In: Applied Mechanics and Materials Vol. 613 (2014), p. 441-445 ISSN: 1660-9336 ISBN: 978-303835202-0

2014 [3] KYSEĽOVÁ, Viera Innovative industrial policy in European Union and robotics In: Robotics and manufacturing systems P. 85-89 ISBN: 978-83-7947-104-1

ADC001 [180135] **Measurement of weight of objects without affecting the handling algorithm** / Marek Sukop ... [et al.] - 2016.In: International Journal of Advanced Robotic Systems. Vol. 13 no. 5 (2016), p. 14-19. - ISSN 1729-8814

[SUKOP, Marek - HAJDUK, Mikuláš - SEMJON, Ján - JÁNOŠ, Rudolf - VARGA, Jozef - VAGAŠ, Marek]

Ohlasy:

2017 [3] MAKO, Peter Principles of mastering at Kuka robots In: Acta Mechatronica Roč. 2, č. 2 (2017), s. 7-12 ISSN: 2453-7306

ADE002 [116453] **Design service robot body for handling** / Rudolf Jánoš, Jozef Svetlík, Jozef Dobranský - 2011.In: Acta technica corviniensis : bulletin of engineering. Vol. 3, no. 4 (2011), p. 73-75. - ISSN 2067-3809 Spôsob prístupu: <http://acta.fih.upt.ro/pdf/2011-4/ACTA-2011-4-12.pdf>.

[JÁNOŠ, Rudolf - SVETLÍK, Jozef - DOBRÁNSKY, Jozef]

Ohlasy:

2016 [1] ZIDEK, K., PITEL, J., HOSOVSKY, A. Design of adjustable smart vision system based on artificial muscle actuators In: MM Science Journal Vol. 2016, no. September (2016), p. 947-951 ISSN: 1803-1269

2016 [1] ZIDEK, Kamil et al. Embedded vision equipment of industrial robot for inline detection of product errors by clustering–classification algorithms In: International Journal of Advanced Robotic Systems Vol. 13 (2016) ISSN: 1729-8814

ADE005 [123533] **Benchmarking analysis of small bearing reducers** / Rudolf Jánoš - 2012.In: International Scientific Herald. Vol. 3, no. 2 (2012), p. 94-99. - ISSN 2218-5348

[JÁNOŠ, Rudolf]

Ohlasy:

2014 [1] PIOTROVSKI, Andrzej, NIESZPOREK, Tadeusz The solar tracker - a control system and a frame construction In: Applied Mechanics and Materials Vol. 613 (2014), p. 340-349 ISSN: 1660-9336

ADE009 [123560] **Analysis of the basic design by positioning modules for co-operation of the robot** / Ján Semjon, Jozef Svetlík, Rudolf Jánoš - 2012.In: International Scientific Herald. Vol. 3, no. 2 (2012), p. 150-155. - ISSN 2218-5348

[SEMJON, Ján - SVETLÍK, Jozef - JÁNOŠ, Rudolf]

Ohlasy:

2014 [1] ŽIDEK, K., HOŠOVSKÝ, A. Wireless device based on MEMS sensors and bluetooth low energy (LE/smart) technology for diagnostics of mechatronic systems In: Applied Mechanics and Materials Vol. 460 (2014), p. 13-21 ISSN: 1660-9336

ADM001 [184384] **Testing of adhesive spray painting with robot** / Marek Sukop ... [et al.] - 2017.In:

Technical gazette. Vol. 24, no. 2 (2017), p. 545-550. - ISSN 1330-3651

[SUKOP, Marek - HAJDUK, Mikuláš - SEMJON, Ján - VARGA, Jozef - JÁNOŠ, Rudolf - VAGAŠ, Marek - BEZÁK, Martin - VIRGALA, Ivan]

Ohlasy:

2017 [3] DULENČIN, Peter The prototype of an "off-road" wheelchair build by students using robotics knowledge In: Journal of Technology and Exploitation in Mechanical Engineering Vol. 3, no. 2 (2017), p. 17-21 ISSN: 2451-148X

AEC002 [138822] **Higher speeds of data between computers and mobile robots based on increase in the number of transmitters (robosoccer)** / Marek Sukop ... [et al.] - 2013. In: Computer Aided Production Engineering. - Lublin : Lublin University of Technology, 2013 P. 75-80. - ISBN 978-83-63569-72-3

[SUKOP, Marek - HAJDUK, Mikuláš - BALÁŽ, Vladimír - JÁNOŠ, Rudolf]

Ohlasy:

2017 [1] SIMONOVA, Anna et al. Uses of on-off controller for regulation of higher-order system in comparator mode In: Electrical Engineering Vol. 99, no. 4 (2017), p. 1367-1375 ISSN: 0948-7921

AFC003 [118578] **The view to the current state of robotics** / Marek Vagaš ... [et al.] - 2012. In: Advanced Materials Research : International Conference on Advanced Materials Research (ICAMR 2012). - Switzerland : Trans Tech Publication, 2011 Vol. 463-464 (2012), p. 1711-1714. - ISBN 978-3-03785-363-4 - ISSN 1022-6680

[VAGAŠ, Marek - HAJDUK, Mikuláš - SEMJON, Ján - KOUKOLOVÁ, Lucia - JÁNOŠ, Rudolf]

Ohlasy:

2013 [1] SUKOP, Marek Implementation of two cameras to robotics cell for recognition of components In: Applied Mechanics and Materials Vol. 282 (2013), p. 167-174 ISSN: 1660-9336

2014 [1] MIKOLAJCZYK, T. et al. Prototype Model of Walking Robot In: Applied Mechanic and Materials Vol. 613 (2014), p. 21-28 ISSN: 1660-9336

2014 [1] PIOTROWSKI, A., NIESZPOREK, T. The solar tracker - a control system and frame constructin In: Applied Mechanics and Materials Vol. 613 (2014), p. 340-349 ISSN: 1660-9336

2014 [1] PIOTROWSKI, A., NIESZPOREK, T. Smart House - The Building Management System In: Applied Mechanics and Materials Vol. 613 (2014), p. 83-95 ISSN: 1660-9336 ISBN: 978-303835202-0

2014 [1] HRICKO, J. Straight-line mechanisms as one building element of small precise robotic devices In: Applied Mechanics and Materials Vol. 613 (2014), p. 96-101 ISSN: 1660-9336

2014 [1] ZUBRZYCKI, J., SMIDOVA, N. Computer-aided design of human knee implant In: Applied Mechanics and Materials Vol. 613 (2014), p. 172-181 ISSN: 1660-9336

2014 [1] ZUBRZYCKI, J., SWIC, A., OPIELAK, M. Modelling of dynamic system characteristics of deep hole drilling process with tools about flexible stiffness In: Applied Mechanics and Materials Vol. 613 (2014), p. 333-339 ISSN: 1660-9336

2014 [3] TOLNAY, Marián et al. Checking of tips of welding electrodes by using visualization In: Annals of the Oradea University: Fascicles of Management and Technological Engineering Vol. 23 (13), no. 1 (2014), p. 295-298 ISSN: 1583-0691

2014 [1] KLUZ, Rafał - TRZEPIECIŃSKI, Tomasz The repeatability positioning analysis of the industrial robot arm In: Assembly Automation Vol. 34, no. 3 (2014), p. 285-295 ISSN: 0144-5154

2015 [3] KLUZ, Rafał - TRZEPIECIŃSKI, Tomasz Analysis of the optimal orientation of robot gripper for

an improved capability assembly process In: Robotics and Autonomous Systems Vol. 74 (2015), p. 253-266 ISSN: 0921-8890

2015 [1] HRICKO, Jaroslav Conversion of Peaucellier-Lipkin straight-line mechanism to compact compliant device In: International Journal of Mechanics and Control Vol. 16, no. 1 (2015), p. 31-38 ISSN: 1590-8844

2015 [3] HRICKO, Jaroslav - HAVLÍK, Štefan Design of Compact Compliant Devices – Mathematical Models vs. Experiments In: American Journal of Mechanical Engineering [online] Vol. 3, no. 6 (2015), p. 201-206 ISSN: 2328-4110

2015 [3] MIKOLAJCZYK, T., MALINOWSKI, T., FAS, T. Konstrukcja i system zdalnego sterowania modelu robota kroczącego o stopach obrotowych In: Logistyka No. 4 (2015), p. 2016-2023 ISSN: 1231-5478

2017 [1] SIMONOVA, Anna et al. Uses of on–off controller for regulation of higher-order system in comparator mode In: Electrical Engineering Vol. 99, no. 4 (2017), p. 1367-1375 ISSN: 0948-7921

2015 [1] XIAO, A., ZHANG, A.S. Development of a Speech Controlled Robot in an Engineering Design Class In: ASME 2015 : International Mechanical Engineering Congress and Exposition : Houston, 13-19 November, 2015 Vol. 5 (2015) ISBN: 978-079185742-7

2017 [3] DULENČIN, Peter The prototype of an “off-road” wheelchair build by students using robotics knowledge In: Journal of Technology and Exploitation in Mechanical Engineering Vol. 3, no. 2 (2017), p. 17-20 ISSN: 2451-148X

AFC005 [130678] **Design of Hybrid Mobile Service Robot** / Rudolf Jánoš ... [et al.] - 2013. In: Applied Mechanics and Materials : ICMERA 2012 : International Conference on Biomechanics, Neurorehabilitation, Mechanical Engineering, Manufacturing Systems, Robotics and Aerospace : Bucharest, Romania : 26-28 October 2012. Vol. 245 (2013), p. 255-260. - ISBN 978-303785554-6 - ISSN 1660-9336 Spôsob prístupu: <http://www.scientific.net/AMM.245.255>. [JÁNOŠ, Rudolf - HAJDUK, Mikuláš - SEMJON, Ján - ŠIDLOVSKÁ, Ľuboslava]

Ohlasy:

2014 [1] MIKOLAJCZYK, Tadeusz et al. Prototype Model of Walking Robot In: Applied Mechanic and Materials Vol. 613 (2014), p. 21-28 ISSN: 1660-9336 ISBN: 978-303835202-0

AFC006 [133006] **Procedure selection bearing reducer twinspace for robotic arm** / Ján Semjon ... [et al.] - 2013. In: Applied Mechanics and Materials : ICMERA 2012 : 3rd International Conference on Biomechanics, Neurorehabilitation, Mechanical Engineering, Manufacturing Systems, Robotics and Aerospace : Bucharest, Romania : 26-28 October 2012. Vol. 245 (2013), p. 261-266. - ISBN 978-303785554-6 - ISSN 1660-9336

[SEMJON, Ján - HAJDUK, Mikuláš - JÁNOŠ, Rudolf - TULEJA, Peter]

Ohlasy:

2014 [1] PIOTROWSKI, A., NIESZPOREK, T. The solar tracker - a control system and a frame construction In: Applied Mechanics and Materials Vol. 613 (2014), p. 340-349 ISSN: 1660-9336

2014 [1] ZUBRZYCKI, J., SWIC, A., OPIELAK, M. Modelling of dynamic system characteristics of deep hole drilling process with tools about flexible stiffness In: Applied Mechanics and Materials Vol. 613 (2014), p. 333-339 ISSN: 1660-9336

AFD006 [132511] **Design of service robot for rescue operations** / Rudolf Jánoš, Lucia Páchniková, Peter Tuleja - 2013. In: Applied Mechanics and Materials : ROBTEP 2012 : 11th International Conference on Industrial, Service and Humanoid Robotics, Štrbské Pleso, Slovakia, 14-16 November 2012. Vol. 282 (2013), p. 123-126. - ISBN 978-303785603-1 - ISSN 1660-9336

[JÁNOŠ, Rudolf - KOUKOLOVÁ, Lucia - TULEJA, Peter]

Ohlasy:

2014 [1] STAŠ, O. et al. Application of hot gas power siting in robotics In: Applied Mechanics and Materials Vol. 613 (2014), p. 386-389 ISSN: 1660-9336

AFD007 [132657] **Manufacturing systems suitable for globalized market** / Lucia Páchniková, Rudolf Jánoš, Ľuboslava Šidlovská - 2013. In: Applied Mechanics and Materials : ROBTEP 2012 : 11th International Conference on Industrial, Service and Humanoid Robotics, Štrbské Pleso, Slovakia, 14-16 November 2012. Vol. 282 (2013), p. 230-234. - ISBN 978-303785603-1 - ISSN 1660-9336 Spôsob prístupu: <http://www.scientific.net/AMM.282.230>.

[KOUKOLOVÁ, Lucia - JÁNOŠ, Rudolf - ŠIDLOVSKÁ, Ľuboslava]

Ohlasy:

2016 [1] HUETTEMANN, G., GAFFRY, C., SCHMITT, R. Adaptation of reconfigurable manufacturing systems for industrial assembly—review of flexibility paradigms, concepts, and outlook In: Procedia CIRP Vol. 52 (2016), p. 112-117 ISSN: 2212-8271

AFD008 [132689] **Modular Welding Fixtures for Robotic Cells** / Ján Semjon ... [et al.] - 2013. In: Applied Mechanics and Materials : CECOL 2012 : 3rd Central European Conference on Logistics : Trnava, Slovakia, 28-30 November 2012. Vol. 309 (2013), p. 80-87. - ISBN 978-303785636-9 - ISSN 1660-9336.

[SEMJON, Ján - HAJDUK, Mikuláš - JÁNOŠ, Rudolf - VAGAŠ, Marek]

Ohlasy:

2014 [1] ZUBRZYCKI, J., ŚWIĆ, A., OPIELAK, M. Modelling of dynamic system characteristics of deep hole drilling process with tools about flexible stiffness In: Applied Mechanics and Materials Vol. 613 (2014), p. 333-339 ISSN: 1660-9336

2014 [1] MIKOLAJCZYK, T., MIKOLAJCZYK, M., SKIBICKI, A. On line videooptical system for WELD groove analysis In: Applied Mechanics and Materials Vol. 613 (2014), p. 350-356 ISSN: 1660-9336

AFD012 [155123] **Strategic behavior of the group of mobile robots for robosoccer (category Mirobot)** / Marek Sukop, Mikuláš Hajduk, Rudolf Jánoš - 2014. In: IEEE RAAD 2014 : Robotics in Alpe-Adria-Danube Region : 23rd International Conference : September 3-5, 2014, Smolenice. - Danvers : IEEE, 2014 S. 1-5. - ISBN 978-1-4799-6797-1

[SUKOP, Marek - HAJDUK, Mikuláš - JÁNOŠ, Rudolf]

Ohlasy:

2016 [1] AMELIN, Konstantin - TYUSHEV, Kiril - KALITEEVSKII, Vasilii Communication and maintaining of data integrity method for decentralized network of autonomous group of mobile robots In: CODIT 2016 : 3rd International conference on control, decision and information technologies : 6-8 April, 2016 St. Pauls Bay P. 372-377 ISBN: 978-1-5090-2188-8

2016 [1] TYUSHEV, K., AMELIN, K., ANDRIEVSKY, B. The method of saving data integrity for decentralized network of group of UAV using quantized gossip algorithms In: IFAC-PapersOnLine Vol. 49, no. 13 (2016), p. 259-264 ISSN: 2405-8963

2017 [1] RAVANKAR, Abhijeet et al. Symbiotic navigation in multi-robot systems with remote obstacle knowledge sharing In: Sensors Vol. 17, no. 7 (2017), art.no. 1581 ISSN: 1424-8220