

## Curriculum vitae Europass



### Informații personale

Nume / Prenume	<b>Grigorescu, Sorin Mihai</b>
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E-mail(uri)	<a href="mailto:s.grigorescu@unitbv.ro">s.grigorescu@unitbv.ro</a>
Naționalitate(-tăți)	Român
Data nașterii	22.03.1982
Sex	Masculin

### Locul de muncă vizat / Domeniul ocupațional

**Conferențiar, Universitatea Transilvania din Brașov**

### Experiența profesională

Perioada	Martie 2013 – prezent
Funcția sau postul ocupat	Șef de lucrări
Activități și responsabilități principale	Activitate didactica, cercetare științifică
Numele și adresa angajatorului	Universitatea Transilvania din Brașov
Tipul activității sau sectorul de activitate	Educație
Perioada	Iunie 2010 – Iunie 2013
Funcția sau postul ocupat	Cercetător post-doctorat
Activități și responsabilități principale	Structuri de reglare pentru recunoașterea robustă de obiecte în robotică
Numele și adresa angajatorului	Universitatea Transilvania din Brașov
Tipul activității sau sectorul de activitate	Educație
Perioada	Noiembrie 2006 – Mai 2010
Funcția sau postul ocupat	Cercetător / conducător de proiect
Activități și responsabilități principale	Dezvoltarea unui sistem de vedere artificială pentru o aplicație robotică
Numele și adresa angajatorului	Institutul de Automatică, Universitatea Bremen, Germania
Tipul activității sau sectorul de activitate	Educație
Perioada	Septembrie 2003 – martie

Competențe și aptitudini organizatorice	<p>Conducător de proiect, Universitatea Bremen, Germania</p> <p>Contr. Nr. FKZ: 524 40001 01 IMF01A / 2006-2009 – "AMAROB - Autonome Manipulatorsteuerung für Rehabilitationsroboter (Control autonom al brațelor manipulator pentru roboți de reabilitare)".</p> <p>Beneficiar: Institutul de Automatică, Universitatea Bremen, Germania (valoare 1.273.916,00 EUR).</p> <p>Finanțator: Ministerul German pentru Educație și Cercetare (BMBF – Bundesministerium fuer Bildung und Forschung).</p>
Premii și distincții obținute	<p>Noiembrie 2008: Premiul cel mai bun poster al conferinței 30th Colloquium of Automation, Salzhause, Germania, pentru lucrarea <i>Robust Object Classification and Recognition in Service Robotics</i>.</p> <p>Iunie 2006: Diplomă de excelență din partea Societății Române de Automatică și Informatică Tehnică (SRAIT) pentru finalizarea ca șef de promoție a specializării Automatică și Informatică Tehnică.</p> <p>Mai 2006: Premiul I în cadrul Sesiunii de Comunicări Studențești al Catedrei de Automatică pentru lucrarea <i>Pollution Guard – Air Pollution Monitoring and Warning System</i>.</p> <p>Aprilie 2006: Mențiune în concursul IEEE Computer Society International Design Competition, pentru lucrarea <i>Pollution Guard – A SCADA system for air pollution monitoring and warning</i>.</p> <p>Mai 2005: Premiul I în cadrul Sesiunii de Comunicări Studențești al Catedrei de Automatică pentru lucrarea <i>Synthesis of a neural command for controlling a 3-phase stepper motor using the DS80C420 microcontroller</i>.</p>
Cursuri predate	<p>Sisteme de Vedere Artificială (Licență, Universitatea Transilvania)</p> <p>Sisteme de Reglare bazate pe Vederea Artificială (Masterat, Universitatea Transilvania)</p> <p>Procesarea digitală a imaginilor (Masterat, Universitatea Transilvania)</p> <p>Sisteme de achiziții și interfețe (Licență, Universitatea Transilvania)</p> <p>C++ Basics and Application in Technical Systems (Licență, Universitatea Bremen)</p> <p>Process Automation (Licență, Universitatea Bremen)</p>
Diverse	<p>Fondator al grupului de cercetare ROVIS (Robust Vision and Control Laboratory): <a href="http://rovis.unitbv.ro">rovis.unitbv.ro</a>.</p> <p>Membru al board-ului editorial al jurnalului <i>Advanced Robotic Systems</i>.</p> <p>Evaluator în cadrul unui număr de jurnale și conferințe, precum <i>IEEE Transactions on Systems, Man and Cybernetics: Part C</i>, <i>Journal of Intelligent and Robotic Systems</i>, <i>ROBOTICA</i>, <i>Journal of Machine Vision and Applications</i>, <i>Journal of Robotics and Autonomous Systems</i>, <i>Journal of Visual Communication and Image Representation</i>, <i>Int. Conf. on Robotics and Automation ICRA</i>, <i>Int. Conf. on Intelligent Robots and Systems</i>, <i>Int. Conf. on Humanoid Robots</i>, <i>Int. Conf. on Automatic Control</i>, etc.</p> <p>Organizator al sesiunii speciale <i>Robotics, Vision and Real-time Data Processing</i>, din cadrul Conferinței <i>Optimization of Electrical and Electronic Equipment OPTIM 2012</i>.</p> <p>Chairman al sesiunilor <i>Rehabilitation Robotics</i> și <i>Perception and Sensing</i> din cadrul conferințelor <i>Intelligent Robots and Systems IROS</i>, Saint Louis, USA, 2009, respectiv <i>18th Int. Federation of Automatic Control IFAC World Congress</i>, Milano, Italy, 2011</p>
Competențe și aptitudini de utilizare a calculatorului	<p>Concepte de programare (MDD, UML), Limbaje de programare (C/C++, Pascal, Delphi, Java, Assembler, SQL, PHP), Medii de programare (Rhapsody, Eclipse, Visual Studio, Borland Delphi, Microchip MPLAB, MATLAB).</p>

Brașov, 30.06.2014

  
Dr.-Ing. Sorin Mihai Grigorescu

Universitatea Transilvania din Braşov

Facultatea de Inginerie Electrică şi Ştiinţa Calculatoarelor

Departamentul de Automatică şi Tehnologia Informaţiei

Poz. Postului 12

Disciplinele postului: Sisteme de vedere artificială, Sisteme de reglare în vederea artificială, Teoria sistemelor I.

## LISTĂ DE LUCRĂRI A CANDIDATULUI pentru postul de conferenţiar poziţia 12

### 1. LISTA LUCRĂRILOR CONSIDERATE DE CANDIDAT A FI CELE MAI RELEVANTE PENTRU REALIZĂRILE PROFESIONALE PROPRII

1. **S.M. Grigorescu**, G. Macesanu, T.T. Cocias, D. Puiu and F. Moldoveanu, "Robust Camera Pose and Scene Structure Analysis for Service Robotics", *Robotics and Autonomous Systems*, Elsevier, Vol. 59, No. 11, DOI: 10.1016/j.robot.2011.07.005, ISSN: 0921-8890, 2011 (**impact factor 1.615**).
2. **S.M. Grigorescu**, T. Lüth, C. Fragkopoulos, M. Cyriacks and Axel Gräser, "A BCI Controlled Robotic Assistant for Quadriplegic People in Domestic and Professional Life", *Robotica*, Cambridge University Press, vol. 30, no. 3, DOI:10.1017/S0263574711000737, 2012 (**impact factor 0.939**).
3. G. Măceşanu, V. Comnac, F. Moldoveanu and **S.M. Grigorescu**, "A Time-Delay Control Approach for a Stereo Vision Based Human-Machine Interaction System", *Journal of Intelligent & Robotic Systems*, Springer Netherlands, DOI: 10.1007/s10846-013-9994-4, ISSN 0921-0296, 2013 (**impact factor 0.827**).
4. T. Cociaş, F. Moldoveanu and **S.M. Grigorescu**, "Generic Fitted Shapes (GFS): Volumetric Object Segmentation in Service Robotics", *Robotics and Autonomous Systems*, Elsevier, Vol. 61, No. 9, DOI: 10.1016/j.robot.2013.04.020, ISSN: 0921-8890, 2013 (**impact factor 1.615**).
5. **S.M. Grigorescu**, "Towards a Stable Robotic Object Manipulation through 2D-3D Features Tracking", *Advanced Robotic Systems*, InTech, ISSN: 1729-8806, 2013 (**impact factor 0.821**).
6. Danijela Ristić-Durrant, **Sorin M. Grigorescu**, Axel Gräser, Žarko Čojbašić and Vlastimir Nikolić, „Robust Stereo-Vision Based 3D Object Reconstruction for the Assistive Robot FRIEND", *Advances in Electrical and Computer Engineering*, Volume 11, Issue 4, Year 2011, On page(s): 15 – 22 (**impact factor 0.700**).
7. **S.M. Grigorescu**, T.T. Cocias, G. Măceşanu and F. Moldoveanu, "Stereo Vision-Based 3D Camera Pose and Object Structure Estimation: An Application to Service Robotics", 7<sup>th</sup> *International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*, 24-26 February, Rome, Italy, 2012.
8. **S.M. Grigorescu**, S. Natarajan, D. Mronga and A. Gräser, "Robust Feature Extraction for 3D Reconstruction of Boundary Segmented Objects in a Robotic Library Scenario", *Proceedings of the 2010 IEEE-RSJ International Conference on Intelligent Robots and Systems IROS*, pp. 4540-4547, Taipei, Taiwan, October 18÷22, 2010.
9. **S.M. Grigorescu**, D. Ristic-Durrant and A. Gräser, "RObust machine VIsion for Service robotic system FRIEND", *Proceedings of the 2009 IEEE-RSJ International Conference on Intelligent Robots and Systems IROS*, St. Louis, USA, October 10÷15, pp. 3574÷3581, ISBN 978-1-4244-3803-7, 2009.
10. **S.M. Grigorescu**, D. Ristic-Durrant, S.K. Vupalla and A. Gräser, "Closed-Loop Control in Image Processing for Improvement of Object Recognition", *Proceedings of the 17<sup>th</sup> IFAC World Congress*, Seoul, Korea, July 06÷11, 2008, ISBN: 978-3-902661-00-5, DOI: 10.3182/20080706-5-KR-1001.2132.

5. G. Măceșanu, **S.M. Grigorescu** and F. Moldoveanu, "A PTZ Stereo Camera Vision System for Robotic Perception", *International Journal of Mechanics and Control*, Vol. 13, No. 01, ISSN 1590-8844, 2012.
6. Danijela Ristić-Durrant, **Sorin M. Grigorescu**, Axel Gräser, Žarko Čojbašić and Vlastimir Nikolić, „Robust Stereo-Vision Based 3D Object Reconstruction for the Assistive Robot FRIEND”, *Advances in Electrical and Computer Engineering*, Volume 11, Issue 4, Year 2011, On page(s): 15 – 22 (**impact factor 0.700**).
7. **S.M. Grigorescu**, G. Macesanu, T.T. Cocias, D. Puiu and F. Moldoveanu, "Robust Camera Pose and Scene Structure Analysis for Service Robotics", *Robotics and Autonomous Systems*, Elsevier, DOI: 10.1016/j.robot.2011.07.005, ISSN: 0921-8890, 2011 (**impact factor 1.448**).
8. G. Măceșanu, **S.M. Grigorescu**, T. Cociaș and F. Moldoveanu, "An Object Detection and 3D Reconstruction Approach for Real-time Scene Understanding", *Bulletin of the Transilvania University of Brașov, Series I: Engineering Sciences, Electrical Engineering, Electronics and Automation*, ISSN 2065-2119, 2011.
9. **S.M. Grigorescu**, T. Lüth, C. Fragkopoulos, M. Cyriacks and Axel Gräser, "A BCI Controlled Robotic Assistant for Quadriplegic People in Domestic and Professional Life", *Robotica*, Cambridge University Press, vol. 30, no. 3, DOI:10.1017/S0263574711000737, 2012 (**impact factor 0.939**).
10. Z. Cobasic, V. Nikolic, I. Ciric and **S.M. Grigorescu**, "Advanced Evolutionary Optimization for Intelligent Modeling and Control of FBC Process", *FACTA Universitatis, Series in Mechanical Engineering*, Vol. 8, No. 1, UDC 66.096.5, 519.673, 681.51, 2010.
11. S. Natarajan, **S.M. Grigorescu** and D. Mronga, "Robust Detection and 3D Reconstruction of Boundary Segmented Objects in a Robotic Library Scenario", *Methods and Applications in Automation*, Shaker Verlag, Series 1, No. 3, ISBN 978-3-8322-7666-9, ISSN 1861-5457, 2010.
12. **S.M. Grigorescu** and D. Ristic-Durrant, "Robust Extraction of Object Features in the System FRIEND II", *Methods and Applications in Automation*, Shaker Verlag, Series 1, No. 2, pp. 97÷107, ISBN 978-3-8322-7666-9, ISSN 1861-5457, 2008.

#### 6. PUBLICAȚII ÎN EXTENSO, APĂRUTE ÎN LUCRĂRI ALE PRINCIPALELOR CONFERINȚE INTERNAȚIONALE DE SPECIALITATE.

1. T. Cociaș, F. Moldoveanu and **S.M. Grigorescu**, "Generic Fitted Primitives (GFP): Towards Full Object Volumetric Reconstruction for Service Robotics", *Proc. of the 21st Int. Conf. in Central Europe on Computer Graphics, Visualization and Computer Vision* 2013, ISSN 1213-6972, Plzen, Czech Republic, June 24-27, 2013 (**Indexed by ISI Thomson Reuters**).
2. **S.M. Grigorescu**, D. Pangercic and M. Beetz "2D-3D Collaborative Tracking (23CT): Towards Stable Robotic Manipulation", *Proc. of the 2012 IEEE-RSJ International Conference on Intelligent Robots and Systems IROS, Workshop on Active Semantic Perception*, Vilamoura, Algarve, Portugal, October 7-12, 2012 (**Indexed by ISI Thomson Reuters**).
3. G. Macesanu, **S.M. Grigorescu** and F. Moldoveanu, "On Facial Features Tracking using an Active Stereo Camera Control Approach", Fifth Győr Symposium & First Hungarian-Polish Joint Conference On Computational Intelligence, Győr, Ungaria, 2012.
4. T.T. Cociaș, **S.M. Grigorescu** and F. Moldoveanu, "3DOR based Global Pose Estimation for Service Robotics", Fifth Győr Symposium & First Hungarian-Polish Joint Conference On Computational Intelligence, Győr, Ungaria, 2012.
5. T.T. Cociaș, **S.M. Grigorescu** and F. Moldoveanu, "Multiple-Superquadrics based Object Surface Estimation for Grasping in Service Robotics" 13<sup>th</sup> *International Conference on Optimization of Electrical and Electronic Equipment*, Brasov, Romania, 24-26 May 2012, pp. 1471-1477 (**Indexed by ISI Thomson Reuters**).
6. G. Macesanu, **S.M. Grigorescu**, J.F. Ferreira, J. Dias and F. Moldoveanu, "Real Time Facial Features Tracking using an Active Vision System" 13<sup>th</sup> *International Conference*

20. **S.M. Grigorescu**, D. Ristic-Durrant and A. Gräser, "RObust machine VIsion for Service robotic system FRIEND", *Proceedings of the 2009 IEEE-RSJ International Conference on Intelligent Robots and Systems IROS*, St. Louis, USA, October 10÷15, 2009, Tome II, pp. 3574÷3581, ISBN 978-1-4244-3803-7, DOI: [10.1109/IROS.2009.5354596](https://doi.org/10.1109/IROS.2009.5354596) (**Indexed by ISI Thomson Reuters**).
21. **S.M. Grigorescu**, D. Ristic-Durrant, S.K. Vupalla and A. Gräser, "Closed-Loop Control in Image Processing for Improvement of Object Recognition", *Proceedings of the 17<sup>th</sup> IFAC World Congress*, Seoul, Korea, July 06÷11, 2008, ISBN: 978-3-902661-00-5, DOI: [10.3182/20080706-5-KR-1001.2132](https://doi.org/10.3182/20080706-5-KR-1001.2132).
22. S.K. Vupalla, **S.M. Grigorescu**, D. Ristic-Durrant and A. Gräser, "Robust Color Object Recognition for a Service Robotic Task in the System", *Proceedings of the 10<sup>th</sup> IEEE International Conference on Rehabilitation Robotics ICORR 2007*, Noordwijk, Netherlands, June 13÷15, 2007, pp. 704 - 713, ISBN 978-1-4244-1320-1, DOI: [10.1109/ICORR.2007.4428503](https://doi.org/10.1109/ICORR.2007.4428503) (IEEE Xplore, INSPEC Accession No.: 9813131) (**Indexed by ISI Thomson Reuters**).
23. **S.M. Grigorescu**, O. Prenzel and A. Gräser, "Model Driven Developed Machine Vision System for Service Robotics", *Proceedings of the 12th International Conference on Optimization of Electrical and Electronic Equipments - OPTIM 2010*, pp. 877-883, Brasov, Romania, May 20÷22, 2010 (**Indexed by ISI Thomson Reuters**).
24. **S.M. Grigorescu** and A. Gräser, "Robust Machine Vision Framework for Localization of Unknown Objects", *Proceedings of the 11<sup>th</sup> International Conference on Optimization of Electrical and Electronic Equipments – OPTIM 2008*, Braşov, Romania, May 22÷23, 2008, Vol. III, pp. 127÷130, ISBN 978-1-4244-1544-1, DOI: [10.1109/OPTIM.2008.4602468](https://doi.org/10.1109/OPTIM.2008.4602468) (IEEE Cat. No.: 08EX1996, Library of Congress: 2007905111) (**Indexed by ISI Thomson Reuters**).
25. C. Suci, F. Moldoveanu, R. Câmpănu, I. Băci, **S.M. Grigorescu**, B. Cârstea and V. Voinea, "GPRS Based System for Atmospheric Pollution Monitoring and Warning", *Proceedings of the 2006 IEEE-TTTC International Conference on Automation, Quality & Testing, Robotics – AQTR 2006*, Cluj-Napoca, Romania, May 25÷28, 2006, Tome II, pp.193÷198, ISBN 1-4244-0360-X (IEEE Cat. No.: 06EX1370, Library of Congress: 2006924077, IEEE Xplore INSPEC Accession Number: 9175432, cotată ISI Proceedings) (**Indexed by ISI Thomson Reuters**).
26. F. Moldoveanu, C. Suci, I. Băci, **S.M. Grigorescu**, B. Cârstea and V. Voinea, "Microcontroller Based SCADA System for Air Pollution Monitoring and Warning", *Proceedings of the 10<sup>th</sup> International Conference on Optimization of Electrical and Electronic Equipments – OPTIM 2006*, Braşov, Romania, May 18÷19, 2006, Vol. III, pp. 185÷190, ISBN 973-635-705-8 (**Indexed by ISI Thomson Reuters**).

## 7. GRANTURI:

1. Contr. Nr. FKZ: 524 40001 01 IMF01A / 2006-2009 – "AMAROB - Autonome Manipulatorsteuerung für Rehabilitationsroboter (Control autonom al brațelor manipulator pentru roboți de reabilitare)". Beneficiar: Institutul de Automatică, Universitatea Bremen, Germania (valoare 1.273.916,00 EUR). Finanțator: Ministerul German pentru Educație și Cercetare (BMBF – Bundesministerium fuer Bildung und Forschung). **Coordonator de proiect**.
2. Contr. nr. POSDRU/89/1.5/S/59323/ 01.06.2010 – 30.05.2013: ID 59323, grant MECTS, program: Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007-2013, axa prioritară 1, domeniul major de investiție 1.5 – "Burse post-doctorale pentru dezvoltare durabilă (POSTDOC-DD)", finanțat de Fondul Social European și de Guvernul României. Beneficiar: Univesitatea Transilvania din Braşov (contract încheiat prin câștigarea competiției naționale a MECTS).



15. C Huang, W Zhou, Image Matching Optimizing Approach Based on SIFT, *Journal of Computational Information Systems*, 2013.
16. Jose R. Sanchez-Lopeza, Antonio Marin-Hernandez, Elvia R. Palacios-Hernandez, Homero V. Rios-Figueroa, Luis F. Marin-Urias, A Real-time 3D Pose Based Visual Servoing Implementation for an Autonomous Mobile Robot Manipulator, 3rd *Iberoamerican Conference on Electronics Engineering and Computer Science*, CIECC, vol. 7, pp. 416–423, 2013.
17. Heyer, T.; Graser, A., Semi-autonomous initial monitoring for context-aware task planning, *Advanced Intelligent Mechatronics (AIM)*, 2011 IEEE/ASME International Conference on.
18. Axel Gräser\*, Olena Kuzmicheva<sup>1</sup>, Danijela Ristic-Durrant<sup>2</sup>, Saravana K. Natarajan<sup>3</sup> und Christos Fragkopoulos, Vision-based Control of Assistive Robot FRIEND: Practical Experiences and Design Conclusions, at – *Automatisierungstechnik Journal*, vol. 60, May 2012.
19. Heyer, T.; Graser, A., Intelligent object anchoring using relative anchors, *Optimization of Electrical and Electronic Equipment (OPTIM)*, 2012 13th International Conference on
20. Heyer, S. ; Fragkopoulos, C. ; Heyer, T. ; Graser, A., Reliable hand camera based book detection and manipulation in library scenario, *Optimization of Electrical and Electronic Equipment (OPTIM)*, 2012 13th International Conference on
21. Kavita Krishnaswamy and Ravi Kuber. 2012. Toward the development of a BCI and gestural interface to support individuals with physical disabilities. In *Proceedings of the 14th international ACM SIGACCESS conference on Computers and accessibility (ASSETS '12)*. ACM, New York, NY, USA, 229-230. DOI=10.1145/2384916.2384967 <http://doi.acm.org/10.1145/2384916.2384967>
22. Kus, R.; Valbuena, D. ; Zygierewicz, J. ; Malechka, T. Asynchronous BCI Based on Motor Imagery With Automated Calibration and Neurofeedback Training, *Neural Systems and Rehabilitation Engineering*, IEEE Transactions on
23. Luzheng Bi; Xin-An Fan ; Yili Liu, EEG-Based Brain-Controlled Mobile Robots: A Survey, *Human-Machine Systems*, IEEE Transactions on (Volume:43 , Issue: 2 ).
24. Lizheng Pan<sup>1</sup>, Aiguo Song<sup>1</sup>, Guozheng Xua<sup>2</sup>, Huijun Lia<sup>1</sup>, Baoguo Xua<sup>1</sup> and Pengwen Xiong<sup>1</sup>, Hierarchical safety supervisory control strategy for robot-assisted rehabilitation exercise, *ROBOTICA* 2013.
25. Martens, N. Jenke, R. ; Abu-Alqumsan, M. ; Kapeller, C. ; Hintermuller, C. ; Guger, C. ; Peer, A. ; Buss, M., Towards robotic re-embodiment using a Brain-and-Body-Computer Interface, *Intelligent Robots and Systems (IROS)*, 2012 IEEE/RSJ International Conference on
26. Robert Schmitt, Yu Cai, Philipp Jatzkowski, Estimation of the absolute camera pose for environment recognition of industrial robotics, *Production Engineering*, Springer, January 2013, Volume 7, Issue 1, pp 91-100.
27. Masoud Samadi, Mohd Fauzi Othman, A New Fast and Robust Stereo Matching Algorithm for Robotic Systems, *The 9th International Conference on Computing and Information Technology (IC2IT2013) Advances in Intelligent Systems and Computing* Volume 209, 2013, pp 281-290
28. Yuexing Han, Yasushi Sumi, Yoshio Matsumoto, Noriaki Ando, Acquisition of Object Pose from Barcode for Robot Manipulation, *Simulation, Modeling, and Programming for Autonomous Robots Lecture Notes in Computer Science* Volume 7628, 2012, pp 299-310
29. Gao M, He X, Luo D, Yu Y; Object tracking based on harmony search: comparative study. *J. Electron. Imaging*. 0001;21(4):043001-1-043001-13. doi:10.1117/1.JEI.21.4.043001.

46. Adrian Leu, Dan Bacara and Ioan Jivet: "Disparity Map Computation Speed Comparison for CPU, GPU and FPGA Implementations"; Buletinul Stiintific al Universitatii "Politehnica" din Timisoara; 2010
47. T. Mörwald, A. Richtsfeld, J. Prankl, M. Zillich and M. Vincze: Geometric data abstraction using B-splines for range image segmentation; to appear in Proceedings of IEEE International Conference on Robotics and Automation (ICRA), Karlsruhe, Germany, 2013;
48. Sonal. A. Mishra, Dhanashree S. Tijare and Dr. G. M. Asutkar, DESIGN OF ENERGY AWARE AIR POLLUTION MONITORING SYSTEM USING WSN, International Journal of Advances in Engineering & Technology, May 2011.
49. I Ćirić, Ž Čojbašić, M Tomić, M Pavlović, Intelligent control of DaNI robot based on robot vision and object recognition, *Control and Robotics*, 2012.
50. M Ćirić, I Ćirić, M Gocić, Application of Naive Bayes Classifier in Stereo-Vision Based Object Recognition, *Information Theory and Complex Systems*, 2013.
51. Ćiric, I.; Čojbasic, Z.; Nikolic, V.; Antic, D., "Computationally intelligent system for thermal vision people detection and tracking in robotic applications," *Telecommunication in Modern Satellite, Cable and Broadcasting Services (TELSIKS)*, 2013 11th International Conference on , vol.02, no., pp.587,590, 16-19 Oct. 2013
52. Ivan ĆIRIĆ, Žarko ČOJBAŠIĆ, Vlastimir NIKOLIĆ, Predrag ŽIVKOVIĆ, Dušan PETKOVIĆ, Mladen TOMIĆ, Miša TOMIĆ, Thermal vision integration in mobile robot vision system, ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering, May 2014.
53. Mendez Chaves, Diego, "A Framework for Participatory Sensing Systems" (2012). Graduate Theses and Dissertations, University of South Florida, 2012.
54. Cheng Pan; Hesheng Zhang; Wei Sun; Hui Li; Jingxin Xie; Yu Zhang, "A pollution monitoring system with hybrid wireless transmission," *Industrial Electronics and Applications (ICIEA)*, 2013 8th IEEE Conference on , vol., no., pp.876,880, 19-21 June 2013

## 10. ALTE REZULTATE:

1. Fondator al grupului de cercetare ROVIS (Robust Vision and Control Laboratory): <http://rovis.unitbv.ro>.
2. Invited paper at the *X Triennial International Conference – SAUM 2010*, Niš, Serbia.
3. Membru al board-ului *International Journal of Advanced Robotic Systems*, InTech Publishing.
4. Chairman-ul sesiunii "Rehabilitation Robotics" din cadrul *International Conference on Intelligent Robots and Systems*, St. Louis, USA, 2009.
5. Chairman-ul sesiunii "Perception and Vision" din cadrul *Congress of the International Federation of Automatic Control*, Milan, Italy, 2011.
6. Organizator al sesiunii "Robotics, Vision and Real-time Data Processing" din cadrul *International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2012*.
7. Cercetător invitat la universitățile:
  - a. KAIST, Daejeon, Korea;
  - b. JAUME I, Castellon de la Plana, Spania;
  - c. National University of Electro-Communications, Japan;
  - d. Universitatea Szechenyi Istvan, Gyor, Ungaria.
8. Premiul cel mai bun poster al conferinței 30th *Colloquium of Automation*, Salzhausen, Germania, pentru lucrarea Robust Object Classification and Recognition in Service Robotics.