

## ARCHIVE 2011

### List of publications in the Department of Communication Systems and Services (2011 only)

#### Books

None in 2011.

#### Papers in international journals

1. Pavlov Y. Specific Growth Rate and Sliding Mode Stabilization of Fed-Batch Processes. Global Journal of Computer Science and Technology, Vol. 11, no. 20 (December) 2011, pp.19-29. Publisher: Global Journals Inc. (USA), Online ISSN: 0975-4172 & Print ISSN: 0975-4350.
2. E. Djambazova, M. Almgren, K. Dimitrov, E. Jonsson, "Emerging and Future Cyber Threats to Critical Systems", in J. Camenisch, V. Kisimov, and M. Dubovitskaya (Eds.): iNetSec 2010, LNCS 6555: Open Research Problems in Network Security, pp. 29-46, 2011.

#### Papers in Bulgarian journals

1. Иванова, Т., В. Терзиева, JADEX и Prot?g? IDE - базирана среда за многократно използване на учебни ресурси. Автоматика и Информатка, год. XLV, № 2, 2011г., стр. 63-68, ISSN 0861-7562.

#### Papers at international conferences

1. Terzieva V., P. Kademova-Katzarova, R. Andreev, A Multi-agent Approach to Development of E-Learning Facilities, In: D. Dicheva et al.(Eds) Software, Services & Semantic Technologies AISC 101, pp. 219-220. Springer-Verlag Berlin Heidelberg, 2011, ISBN 978-3-642-23162-9.
2. Ilchev S., Ilcheva Z. (2011). Protection of Intellectual Property in Web Communities by Modular Digital Watermarking. Proc. Of COMPSAC 2011 (The IEEE Signature Conference on Computers, Software and Applications), 35th IEEE Annual Computer Software and Applications Conference Workshops, , 18-21 July 2011, Munich, Germany, 2011, pp. 374-379, E-ISBN 978-0-7695-4459-5, Print ISBN 978-1-4577-0980-7, DOI 10.1109/COMPSACW.2011.69, INSPEC 12288790.
3. Kolev V., Compressed sensing of astronomical images: orthogonal wavelets domain, In: Rachev, B., Smrikarov, A. (Eds.) CompSysTech'11, ACM International Conference Proceeding Series, vol. 578, 2011, pp. 608 - 615, ACM ISBN 978-1-4503-0917-2, DOI 10.1145/2023607.2023633.
4. Pavlov Y., Preferences Based Stochastic Value and Utility Function Evaluation Proceedings of Informing Science & IT Education Conference (InSITE) 18-23 юни 2011, Novi Sad, Сърбия; pp.404-411.
5. Dobrinkova N., Jordanov G., Mandel J. "WRF-Fire Applied in Bulgaria", Numerical Methods and Applications 20-24 August, Borovez, Lecture Notes in Computer Science No 6046, Springer, Germany, ISSN 0302-9743, 2011, p.133-140. (SJR 0.034)

#### Papers at national conferences

1. Andreev R., V. Terzieva, V. Lyubenova, S. Vatov, Smart Access to Web-Based Services for Pupils with Learning Difficulties, Proceedings of International Conference Automatics and Informatics'11, 3-7 October, Sofia, Bulgaria, 2011, pp. B-285- B-288, ISSN 1313-1850.
2. Ilchev S., Modular Digital Watermarking Method for Image Tampering Detection, Proceedings of International Conference Automatics and Informatics'11, 3-7 October, Sofia, Bulgaria, 2011, pp. B-221- B-224, ISSN 1313-1850.
3. Ilcheva Zl., V. Ilchev, Wavelet-Based Method for Digital Multimedia Authentication Proceedings of International Conference Automatics and Informatics'11, 3-7 October, Sofia, Bulgaria, 2011, pp. B-387- B-390, ISSN 1313-1850.
4. Terzieva V., P. Kademova-Katzarova, A. Atanasova, R. Andreev, ICT-Based Approach for Acquiring Reading Competence, Proceedings of International Conference Automatics and Informatics'11, 3-7 October, Sofia, Bulgaria, 2011, pp. B-143 - B-146, ISSN 1313-1850.

5. В. Терзиева, В. Любенова, С. Вѣтов, Уеб-базирани услуги в помощ на децата с обучителни затруднения, Доклади на национална конференция "Образованието в информационното общество", стр. 229- 238, 26-27 май, Пловдив, 2011, ISSN 1314-0752.
6. Иванова Т., В. Терзиева, Персонални обучаващи среди (PLE) - системи за обучение и среди за разработка на персонализирано електронно обучение, Доклади на национална конференция "Образованието в информационното общество", стр. 249- 258, 26-27 май, Пловдив, 2011, ISSN 1314-0752.
7. R. Krasteva, D. Bachvarov, Zl. Ilcheva, I. Stoyanov, A. Boneva. A System for Remote Control and Monitoring of a Small Hydro-Power Plant. Proceedings of Int. Conference "Robotics, Automation and Mechatronics'11 (RAM 2011), (October 3-7, 2011, Sofia, Bulgaria), Prof. Marin Drinov Academic Publishing House, 2011, Section ICT, pp. i1 - i4. ISSN 1314-4634.
8. A. Boneva, R. Krasteva, D. Buchvarov, Zl. Ilcheva, I. Stoyanov, J. Doshev. Hardware and Software Tools for Testing and Tuning of Distributed Control System with using Wireless Communication. . Conference "Robotics, Automation and Mechatronics'11 (RAM 2011), (October 3-7, 2011, Sofia, Bulgaria), Prof. Marin Drinov Academic Publishing House, Section ICT, pp. i5 - i8. ISSN 1314-4634.
9. Yan. Stoimenova, R. Andreev, E. Popov. Development and Possibilities of Serious Games. Proceedings of National Conference "The Youth in Bulgaria, European Development and Innovative Achievements", BAS, 14 October 2011, Sofia, pp. 45-50, ISSN 1313-5589. (In Bulgarian)

#### **On-line publications**

None in 2011.

#### **Presentations at international forums**

1. Pavlov Y., P. Vassilev, Preferences and determination of the nominal growth rate of fed-batch process: control design of complex processes. "Biotechnology & Biotechnological Equipment, 2011"
2. Pavlov Y., Vassilev P. Preferences and determination of the nominal growth rate of fed-batch process: control design of complex processes. Int. Conference "BIOMATH'2011", June, Sofia, Bulgaria.

#### **Presentations at Bulgarian forums**

1. Pavlov Y., P. Vassilev, Normative utility and prescriptive analytical presentation: preferences, machine learning and applications, First conference with international participation "EDUCATION, SCIENCE, INNOVATIONS" ESI'2011, June, Pernik, Bulgaria.