

Complete list of publications according to the citation standard ČSN ISO 960

February 2022

[RNDr. Michal Javorník, Ph.D.](#)

ORCID: 0000-0003-1076-7005

2022

1. [CRUSOE: A Toolset for Cyber Situational Awareness and Decision Support in Incident Handling](#)

[HUSÁK, Martin](#), [Lukáš SADLEK](#), [Stanislav ŠPAČEK](#), [Martin LAŠTOVIČKA](#), [Michal JAVORNÍK](#) and [Jana KOMÁRKOVÁ](#). CRUSOE: A Toolset for Cyber Situational Awareness and Decision Support in Incident Handling. *Computers & Security*. Elsevier, 2022, vol. 115, April, p. 1-19. ISSN 0167-4048. doi:10.1016/j.cose.2022.102609.

[URL](#) [URL](#)

English. Netherlands.

Keywords in English: Cyber situational awareness;OODA Loop;Decision support;Network monitoring;Incident response

International impact: yes

Reviewed: yes

Changed by: RNDr. Martin Husák, Ph.D., učo 256631. Changed: 21/1/2022 14:59.

More: <https://is.muni.cz/auth/publication/1822842/en>

2021

2. [Zero Watermarking: Critical Analysis of Its Role in Current Medical Imaging](#)

[ROČEK, Aleš](#), [Michal JAVORNÍK](#), [Karel SLAVÍČEK](#) and [Otto DOSTÁL](#). Zero Watermarking: Critical Analysis of Its Role in Current Medical Imaging. *Journal of Digital Imaging*. 2021, vol. 34, No 1, p. 204-211. ISSN 0897-1889. doi:10.1007/s10278-020-00396-0.

[URL](#)

Name (in English): Zero Watermarking: Critical Analysis of Its Role in Current Medical Imaging

RIV: Article in a journal. English. Switzerland.

Roček, Aleš (203 Czech Republic, guarantor, belonging to the institution) --

Javorník, Michal (203 Czech Republic, belonging to the institution) -- Slavíček,

Karel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution)

Keywords in English: Watermarking;DICOM;Medical imaging;Security;Integrity;Copyright

International impact: yes

Reviewed: yes

Changed by: Ing. Aleš Roček, Ph.D., učo 205054. Changed: 17/2/2021 13:30.

More: <https://is.muni.cz/auth/publication/1734016/en>

2020

3. [Decision Support for Mission-Centric Network Security Management](#)

[JAVORNÍK, Michal](#), [Jana KOMÁRKOVÁ](#), [Lukáš SADLEK](#) and [Martin HUSÁK](#). Decision Support for Mission-Centric Network Security Management. In *NOMS 2020 - 2020 IEEE/IFIP Network Operations and Management Symposium*. Budapest, Hungary: IEEE, 2020. p. 1-6. ISBN 978-1-7281-4973-8. doi:10.1109/NOMS47738.2020.9110261.

URL

RIV/00216224:14610/20:00114802 Proceedings paper. English.

Javorník, Michal (203 Czech Republic, belonging to the institution) -- Komárková, Jana (203 Czech Republic, belonging to the institution) -- Sadlek, Lukáš (703 Slovakia, belonging to the institution) -- Husák, Martin (203 Czech Republic, guarantor, belonging to the institution)

Keywords in English: Cyber situational awareness;Decision support;Attack graph;Bayesian network;Mission resilience

International impact: yes

Reviewed: yes

Changed by: Mgr. Alena Mokra, uco 362754. Changed: 19/4/2021 16:49.

More: <https://is.muni.cz/auth/publication/1627838/en>

4. [Software pro podporu rozhodování při řešení bezpečnostního incidentu \(Software for the decision support in the security incident handling\)](#) (software)

[SADLEK, Lukáš](#), [Michal JAVORNÍK](#) and [Martin HUSÁK](#). Software pro podporu rozhodování při řešení bezpečnostního incidentu (Software for the decision support in the security incident handling). 2020.

Umístění zdrojových kódů software

Name (in English): Software for the decision support in the security incident handling

RIV/00216224:14610/20:00114820 Software. Czech. Czech Republic.

Sadlek, Lukáš (703 Slovakia, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Husák, Martin (203 Czech Republic, belonging to the institution)

Keywords in English: cybersecurity;decision support;resilience;mission

International impact: yes

Changed by: RNDr. Martin Husák, Ph.D., uco 256631. Changed: 28/4/2021 14:09.

More: <https://is.muni.cz/auth/publication/1724737/en>

2019

5. [Decision Support for Mission-Centric Cyber Defence](#)

[JAVORNÍK, Michal](#), [Jana KOMÁRKOVÁ](#) and [Martin HUSÁK](#). Decision Support for Mission-Centric Cyber Defence. In *Proceedings of the 14th International Conference on Availability, Reliability and Security (ARES 2019)*. New York: ACM, 2019. p. "34:1"- "34:8", 8 pp. ISBN 978-1-4503-7164-3. doi:10.1145/3339252.3340522.

URL

RIV/00216224:14610/19:00108312 Proceedings paper. English. United States of America.

Javorník, Michal (203 Czech Republic, belonging to the institution) -- Komárková, Jana (203 Czech Republic, belonging to the institution) -- Husák, Martin (203 Czech Republic, guarantor, belonging to the institution)

Keywords in English: Attack graph; Bayesian network; Cyber situational awareness; Decision support; Mission resilience

International impact: yes

Reviewed: yes

Changed by: Mgr. Alena Mokra, uco 362754. Changed: 27/4/2021 12:12.

More: <https://is.muni.cz/auth/publication/1542616/en>

2017

6. [Pravnı limity nakladanı s udaji o zdravotnım stavu](#)

[DOSTAL, Otto](#), [Otto DOSTAL](#) and [Michal JAVORNIK](#). Pravnı limity nakladanı s udaji o zdravotnım stavu. In *XIII. mezinarodnı kongres informacnıch technologiı ve zdravotnictvı*. 2017.

Type of participation: requested lecture

Changed by: JUDr. Otto Dostal, Ph.D., uco 45081. Changed: 20/2/2019 00:47.

More: <https://is.muni.cz/auth/publication/1498681/en>

7. [Reversible Watermarking in Medical Imaging with Zero Distortion in ROI](#)

[ROCEK, Ales](#), [Michal JAVORNIK](#), [Karel SLAVICEK](#) and [Otto DOSTAL](#). Reversible Watermarking in Medical Imaging with Zero Distortion in ROI. In *Proceedings of 24th IEEE International Conference on Electronics, Circuits and Systems (ICECS 2017)*. New York: IEEE, 2017. p. 356-359. ISBN 978-1-5386-1911-7. doi:10.1109/ICECS.2017.8292071.

[URL](#)

Name (in English): Reversible Watermarking in Medical Imaging with Zero Distortion in ROI

RIV/00216224:14610/17:00098811 Proceedings paper. Informatics. English. United States of America.

Rocek, Ales (203 Czech Republic, guarantor, belonging to the institution) -- Javornık, Michal (203 Czech Republic, belonging to the institution) -- Slavıcek, Karel (203 Czech Republic, belonging to the institution) -- Dostal, Otto (203 Czech Republic, belonging to the institution)

Keywords in English: Watermarking; DICOM; medical images; security; Reversible; Zero; ROI

International impact: yes

Reviewed: yes

Changed by: Mgr. Alena Mokra, uco 362754. Changed: 15/4/2019 15:16.

More: <https://is.muni.cz/auth/publication/1399291/en>

2016

8. [A new approach to fully-reversible watermarking in medical imaging with breakthrough visibility parameters](#)

[ROČEK, Aleš](#), [Karel SLAVÍČEK](#), [Otto DOSTÁL](#) and [Michal JAVORNÍK](#). A new approach to fully-reversible watermarking in medical imaging with breakthrough visibility parameters. *Biomedical Signal Processing and Control*. Elsevier, 2016, vol. 29, No 7, p. 44-52. ISSN 1746-8094. doi:10.1016/j.bspc.2016.05.005.

[URL](#)

RIV/00216224:14610/16:00090160 Article in a journal. Informatics. English. Netherlands.

Roček, Aleš (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution)

Keywords in English: Communication; DICOM; Medical images; Security; Watermarking; Visual cryptography; RONI

International impact: yes

Reviewed: yes

Changed by: Mgr. Alena Mokra, uco 362754. Changed: 28/4/2020 15:52.

More: <https://is.muni.cz/auth/publication/1347523/en>

9. [RONI Size and another Attributes of Representative Sample of Medical Images in Common Hospital Operation, Related to Securing by Watermarking Methods](#)

[ROČEK, Aleš](#), [Karel SLAVÍČEK](#) and [Michal JAVORNÍK](#). RONI Size and another Attributes of Representative Sample of Medical Images in Common Hospital Operation, Related to Securing by Watermarking Methods. In Prof. Osama Mohamed Mohamed Ahamed. *International Conference on Image Processing, Production and Computer Science (ICIPCS'16)*. London: URENG, 2016. p. 44-51. ISBN 978-93-84422-62-2.

Name (in English): RONI Size and another Attributes of Representative Sample of Medical Images in Common Hospital Operation, Related to Securing by Watermarking Methods

RIV/00216224:14610/16:00087606 Proceedings paper. Informatics. English.

Roček, Aleš (203 Czech Republic, guarantor, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution)

Keywords in English: Communication; database; DICOM; education; medical images; ROI; RON; security; watermarking

International impact: yes

Reviewed: yes

Changed by: Ing. Aleš Roček, Ph.D., uco 205054. Changed: 24/3/2017 09:50.

More: <https://is.muni.cz/auth/publication/1340916/en>

2015

10. [Legislativní aspekty dalšího rozvoje v oblasti telemedicíny](#)

[DOSTAL, Otto](#), [Otto DOSTAL](#) and [Michal JAVORNÍK](#). Legislativní aspekty dalšího rozvoje v oblasti telemedicíny. In *XI. mezinarodnı kongres informacnıch technologiı ve zdravotnictvı*. 2015.

Changed by: JUDr. Otto Dostál, Ph.D., učo 45081. Changed: 20/2/2019 00:43.

More: <https://is.muni.cz/auth/publication/1498679/en>

11. [Watermarking in Regional Medical Imaging](#)

[JAVORNÍK, Michal](#), [Otto DOSTÁL](#) and [Aleš ROČEK](#). Watermarking in Regional Medical Imaging. In Valeri Mladenov, Elias Giacomidis, Jinlong Wei. *Proceedings of the 13th International Conference on Data Networks, Communications, Computers*. Hungary: World Scientific and Engineering Academy and Society, 2015. p. 222-226. ISBN 978-1-61804-355-9.

[URL](#)

Name in Czech: Vodoznačení v regionálním zpracování medicínských obrazových dat

RIV/00216224:14610/15:00080421 Proceedings paper. Computer hardware and software. English. Hungary.

Javorník, Michal (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution) -- Roček, Aleš (203 Czech Republic, belonging to the institution)

Keywords in English: Watermarking; Picture Archiving and Communication in Medicine; Telemedicine; Medical Imaging; Information Security

Type of proceedings: post-proceedings

International impact: yes

Reviewed: yes

Changed by: Ing. Aleš Roček, Ph.D., učo 205054. *Changed:* 19/4/2018 13:29.

More: <https://is.muni.cz/auth/publication/1338774/en>

2014

12. [Securing a Publicly Accessible Database of Medical Images Using Watermarking with Direct Diagnose Capability](#)

[ROČEK, Aleš](#) and [Michal JAVORNÍK](#). Securing a Publicly Accessible Database of Medical Images Using Watermarking with Direct Diagnose Capability. *Recent Advances in Computer Science*. 2014, vol. 13, No 24, p. 79-86. ISSN 1790-5109.

RIV/00216224:14610/14:00073305 Article in a journal. Informatics. English. Greece.

Roček, Aleš (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution)

Keywords in English: Communication; DICOM; medical images; security; watermarking; education; database

International impact: yes

Reviewed: yes

Changed by: Ing. Aleš Roček, Ph.D., učo 205054. *Changed:* 4/4/2016 10:05.

More: <https://is.muni.cz/auth/publication/1213703/en>

13. [Zálohovací a dohledový systém pro InstantPACS \(Backup and monitoring system for InstantPACS\)](#)

[SLAVÍČEK, Karel](#), [Otto DOSTÁL](#), [Michal JAVORNÍK](#), [Aleš ROČEK](#), [Vladimír ZATLOUKAL](#) and Petr SEDLÁK. *Zálohovací a dohledový systém pro InstantPACS (Backup and monitoring system for InstantPACS)*. 2014.

Name (in English): Backup and monitoring system for InstantPACS
RIV/00216224:14610/14:00073309 Pilot plant, certified technology, variety, breed. Informatics. Czech. Czech Republic. obsah podléhá obchodnímu tajemství. Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Roček, Aleš (203 Czech Republic, belonging to the institution) -- Zatloukal, Vladimír (203 Czech Republic, belonging to the institution) -- Sedlák, Petr (203 Czech Republic)
Keywords in English: InstantPACS; backup; monitoring
International impact: yes
Reviewed: yes
Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 20/4/2018 11:08.

More: <https://is.muni.cz/auth/publication/1217373/en>

2013

14. [Integration Concept in Regional Medical Imaging](#)

[JAVORNÍK, Michal](#), [Karel SLAVÍČEK](#) and [Otto DOSTÁL](#). Integration Concept in Regional Medical Imaging. In Joyce deng. *Koncept integrace regionálního zpracování medicínských obrazových informací*. Singapore: IACSIT Press, 2013. p. 26-31. ISBN 978-981-07-8391-4.

RIV/00216224:14610/13:00065547 Proceedings paper. Computer hardware and software. English. Czech Republic.
Javorník, Michal (203 Czech Republic, guarantor, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution)
Keywords in English: Medical Imaging; DICOM; Integration;
International impact: yes
Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 7/4/2014 09:45.

More: <https://is.muni.cz/auth/publication/1169955/en>

15. [MEDIMED Shared Regional PACS Center](#)

[SLAVÍČEK, Karel](#), [Michal JAVORNÍK](#) and [Otto DOSTÁL](#). MEDIMED Shared Regional PACS Center. In Dongqing Wang. *COMPUTED TOMOGRAPHY*. 1st ed. Croatia: InTech, 2013. p. 43-62. ISBN 978-953-51-1102-3.

[URL](#)

Name in Czech: MEDIMED Sdílené regionální PACS centrum
RIV/00216224:14610/13:00065542 Chapter(s) of a specialized book. Computer hardware and software. English. Czech Republic.
Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203

Czech Republic, guarantor, belonging to the institution)

Keywords in English: PACS;DICOM;DWDM

International impact: yes

Reviewed: yes

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 31/3/2014 09:33.

More: <https://is.muni.cz/auth/publication/1163709/en>

2012

16. [Extension of the Shared Regional PACS CenterMeDiMed to Smaller Healthcare Institutions](#)

[SLAVÍČEK, Karel](#), [Michal JAVORNÍK](#) and [Otto DOSTÁL](#). Extension of the Shared Regional PACS CenterMeDiMed to Smaller Healthcare Institutions. In Pascal Lorenz; Tibor Gyires; Iwona Pozniak-Koszalka. *The Eleventh International Conference on Networks*. Saint Gilles, Reunion Island: IARIA, 2012. p. 83-87. ISBN 978-1-61208-183-0.

Name (in English): Extension of the Shared Regional PACS CenterMeDiMed to Smaller Healthcare Institutions

RIV/00216224:14610/12:00057047 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution)

Keywords in English: PACS; DICOM; shared solution

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 7/3/2013 13:35.

More: <https://is.muni.cz/auth/publication/979279/en>

17. [ICT Systems Monitoring](#)

[DOSTÁL, Otto](#), [Karel SLAVÍČEK](#), [Michal JAVORNÍK](#) and Pavel BUDIŠ. *ICT Systems Monitoring*. Saarbrucken: LAMBERT Academic Publishing, 2012. 167 pp. ISBN 978-3-8473-7231-8.

Name in Czech: Monitorování ICT systémů

Name (in English): ICT Systems Monitoring

RIV/00216224:14610/12:00057058 Book on a specialized topic. Informatics. English. Germany.

Dostál, Otto (203 Czech Republic, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Budiš, Pavel (203 Czech Republic)

Keywords in English: ICT; monitoring; availability

Reviewed: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 2/4/2013 13:50.

More: <https://is.muni.cz/auth/publication/1082769/en>

18. [Sharing of knowledge and resources in regional medical imaging](#)

[JAVORNÍK, Michal](#), [Karel SLAVÍČEK](#) and [Otto DOSTÁL](#). Sharing of knowledge and resources in regional medical imaging. In *2nd International Conference on Biomedical Engineering & Assistive Technologies*. Jalandhar: Dr. B. R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR – 144 011, India, 2012. p. 304-308. ISBN 978-81-925454-1-7.

Name (in English): Sharing of knowledge and resources in regional medical imaging

RIV/00216224:14610/12:00057057 Proceedings paper. Informatics. English. India.

Javorník, Michal (203 Czech Republic, guarantor, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic)

Keywords in English: DICOM; Knowledge Database; PACS; Regional Medical Imaging

Reviewed: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 21/1/2013 17:32.

More: <https://is.muni.cz/auth/publication/1082275/en>

2011

19. [Regional Medical Imaging System](#)

[JAVORNÍK, Michal](#), [Otto DOSTÁL](#) and [Karel SLAVÍČEK](#). Regional Medical Imaging System. *World Academy of Science, Engineering and Technology*. 2011, vol. 7, No 79, p. 389-393. ISSN 2010-376X.

RIV/00216224:14610/11:00057021 Article in a journal. Informatics. English. France.

Javorník, Michal (203 Czech Republic, guarantor, belonging to the institution) -- Dostál, Otto (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: DICOM; Integration; Medical Education; Medical Imaging International impact: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 11/4/2012 11:56.

More: <https://is.muni.cz/auth/publication/966722/en>

20. [Service Availability Quantification in Datacommunication Networks](#)

[SLAVÍČEK, Karel](#), [Otto DOSTÁL](#) and [Michal JAVORNÍK](#). Service Availability Quantification in Datacommunication Networks. In *34th International Conference on Telecommunication and Signal Processing*. Budapest: IEEE, 2011. p. 57-61. ISBN 978-1-4577-1411-5.

RIV/00216224:14610/11:00057020 Proceedings paper. Informatics. English. Hungary.

Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution)

Keywords in English: Reliability; availability; t-norm

International impact: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 7/3/2013 14:25.

More: <https://is.muni.cz/auth/publication/956951/en>

21. [System Supporting Effectiveness in Medical Imaging](#)

[JAVORNÍK, Michal](#), [Otto DOSTÁL](#) and [Karel SLAVÍČEK](#). System Supporting Effectiveness in Medical Imaging. In *The 7th International Conference on Information Technology and Application*. Sydney, Australia: 2011 ICITA, 2011. p. 162-166. ISBN 978-0-9803267-4-1.

RIV/00216224:14610/11:00057022 Proceedings paper. Informatics. English. Australia.

Javorník, Michal (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: DICOM; Integration; Medical Education; Medical Imaging

Type of proceedings: post-proceedings

International impact: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 7/4/2016 09:58.

More: <https://is.muni.cz/auth/publication/966817/en>

2010

22. [Mathematical Processing of Event Logs](#)

[SLAVÍČEK, Karel](#), [Otto DOSTÁL](#) and [Michal JAVORNÍK](#). Mathematical Processing of Event Logs. In *New Information and Multimedia Technologies NIMT - 2010*. Brno: VUT Brno, 2010. p. 58-61. ISBN 978-80-214-4126-2.

Name in Czech: Matematicke zpracovani logu udalosti

RIV/00216224:14610/10:00051599 Proceedings paper. Computer hardware and software. English. Czech Republic.

Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution)

Keywords in English: syslog; mathematical processing

Type of proceedings: post-proceedings

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 10/4/2012 09:07.

More: <https://is.muni.cz/auth/publication/914660/en>

23. [Mathematical processing of event logs from network devices](#)

[SLAVÍČEK, Karel](#), [Otto DOSTÁL](#) and [Michal JAVORNÍK](#). Mathematical processing of event logs from network devices. In *2010 International Conference on Intelligent Network and Computing*. Chengdu: IEEE, 2010. 5 pp. ISBN 978-1-4244-8271-9.

Name in Czech: Matematické zpracování logů síťových zařízení

RIV/00216224:14610/10:00046026 Proceedings paper. Use of computers, robotics and its application. English. Malaysia.

Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution)
Keywords in English: event log; mathematical processing
Type of proceedings: post-proceedings
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 28/12/2010 11:32.

More: <https://is.muni.cz/auth/publication/914661/en>

24. [MEDIMED - Regional Centre for Medicine Image Data Processing](#)

[SLAVÍČEK, Karel](#), [Otto DOSTÁL](#), [Michal JAVORNÍK](#) and Miloš DRDLA. MEDIMED - Regional Centre for Medicine Image Data Processing. In *Knowledge Discovery and Data Mining*. 2010th ed. USA: IEEE Computer Society, 2010. p. 310 - 313. ISBN 978-0-7695-3923-2.

Name in Czech: MEDIMED - Regionální centrum pro zpracování medicínských obrazových dat

RIV/00216224:14610/10:00043318 Proceedings paper. Informatics. English. Thailand.

Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Drdla, Miloš (203 Czech Republic)

Keywords in English: PACS; DICOM

International impact: yes

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 20/7/2011 11:08.

More: <https://is.muni.cz/auth/publication/871015/en>

25. [System for Effective Collaboration in the Area of Medical Imaging](#)

[DOSTÁL, Otto](#), [Karel SLAVÍČEK](#) and [Michal JAVORNÍK](#). System for Effective Collaboration in the Area of Medical Imaging. In *International Conference on Advanced Computer Science and Information Systems*. Bali: Faculty of Computer Science, Universitas Indonesia, Depok, 16424, 2010. p. 207 - 212.

Name in Czech: Systém pro efektivní spolupráci v oblasti medicínských obrazových dat

RIV/00216224:14610/10:00045827 Proceedings paper. Computer hardware and software. English. Indonesia.

Dostál, Otto (203 Czech Republic, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, guarantor, belonging to the institution)

Keywords in English: Telemedicine; Medical Imaging

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 20/7/2011 11:08.

More: <https://is.muni.cz/auth/publication/913027/en>

26. [Systém pro mezinárodní výměnu obrazových informací \(System for the international exchange of image information\)](#)

[JAVORNÍK, Michal](#) and [Otto DOSTÁL](#). Systém pro mezinárodní výměnu obrazových informací (System for the international exchange of image information). In *Telemedicina Brno 2010*. 2010.

Name in Czech: Systém pro mezinárodní výměnu obrazových informací
Name (in English): System for the international exchange of image information
Use of computers, robotics and its application. Czech. Czech Republic.
Keywords in English: DICOM; Telemedicine; Teleradiology;
Type of proceedings: post-proceedings
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. *Changed:* 10/1/2011 08:25.

More: <https://is.muni.cz/auth/publication/916524/en>

2009

27. [Current Development of MeDiMed the Regional Centre for Medicine Picture Data Processing](#)

[SLAVÍČEK, Karel](#), [Otto DOSTÁL](#), [Michal JAVORNÍK](#) and [Vladimír SCHINDLER](#). Current Development of MeDiMed the Regional Centre for Medicine Picture Data Processing. In *International Conference NEW INFORMATION AND MULTIMEDIA TECHNOLOGIES*. Brno: Brno University of Technology Faculty of Electrical Engineering and Communication, 2009. p. 58-61. ISBN 978-80-214-3708-1.

Name in Czech: Současný stav vývoje projektu MeDiMed - regionálního centra zpracování medicínských obrazových dat
RIV/00216224:14610/09:00051597 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.
Slaviček, Karel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Schindler, Vladimír (203 Czech Republic, belonging to the institution)
Keywords in English: PACS; DICOM; telemedicine
Type of proceedings: post-proceedings
Changed by: Mgr. Marta Novotná Buršíková, učo 15689. *Changed:* 10/4/2012 09:08.

More: <https://is.muni.cz/auth/publication/914632/en>

28. [Environment for effective training in medical image diagnostics](#)

HRTOŇOVÁ, Nina, [Michal JAVORNÍK](#), [Aleš ROČEK](#) and [Vladimír ZATLOUKAL](#). Environment for effective training in medical image diagnostics. In *Research, Reflections and Innovations in Integrating ICT in Education*. 1st ed. Badajoz, Spain: Formatex, 2009. p. 1221-1224. ISBN 978-84-692-1790-0.

Keywords in English: medicine; collaborative environments; e-learning; DICOM; PACS; medical database; education; life-long learning; radiology
Type of proceedings: pre-proceedings
International impact: yes
Reviewed: yes
Changed by: Mgr. Nina Hrtoňová, učo 2086. *Changed:* 28/4/2009 13:31.

More: <https://is.muni.cz/auth/publication/829949/en>

29. [Redundancy in Processing of Medical Image Data](#)

[SLAVÍČEK, Karel](#), [Michal JAVORNÍK](#) and [Otto DOSTÁL](#). Redundancy in Processing of Medical Image Data. In *Fourth International Conference on Computer Sciences and Convergence Information Technology*. Seoul, Korea: IEEE Computer Society Conference Publishing Services, 2009. p. 519-523. ISBN 978-1-4244-5244-6.

Name in Czech: Redundance ve zpracování medicínských obrazových dat
RIV/00216224:14610/09:00051296 Proceedings paper. Use of computers, robotics and its application. English. Republic of Korea.
Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution)
Keywords in English: DICOM; PACS; Telemedicine
International impact: yes
Changed by: Mgr. Marta Novotná Buršíková, učo 15689. *Changed:* 27/3/2012 14:13.

More: <https://is.muni.cz/auth/publication/872541/en>

30. [Sharing the expert medical experience with medical students and specialists](#)

HRTOŇOVÁ, Nina, [Aleš ROČEK](#) and [Michal JAVORNÍK](#). Sharing the expert medical experience with medical students and specialists. In *10th INTERNATIONAL SCIENTIFIC CONFERENCE VIRTUAL UNIVERSITY VU'09*. Bratislava: E-ACADEMIA SLOVACA N: O., 2009. 5 pp. ISBN 978-80-89316-11-3.

International impact: yes
Reviewed: yes
Changed by: Ing. Aleš Roček, Ph.D., učo 205054. *Changed:* 1/4/2015 11:36.

More: <https://is.muni.cz/auth/publication/930375/en>

31. [Zkušenosti s provozem Radiologického komunikačního centra \(Experience with the operation of radiological Communications Center\)](#)

[DOSTÁL, Otto](#) and [Michal JAVORNÍK](#). Zkušenosti s provozem Radiologického komunikačního centra (Experience with the operation of radiological Communications Center). In *Telemedicina Brno 2009*. Brno: MSD, 2009. 5 pp. ISBN 978-80-7392-025-8.

Name (in English): Experience with the operation of radiological Communications Center
RIV/00216224:14610/09:00046328 Proceedings paper. Use of computers, robotics and its application. Czech. Czech Republic.
Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution)
Keywords in English: PACS; DICOM; Radiological communication center;
Type of proceedings: post-proceedings
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. *Changed:* 10/1/2011 08:29.

More: <https://is.muni.cz/auth/publication/916556/en>

32. [Ict as Tool for Controlling of Market Relationship and Increasing of Economic Effectiveness in the Area of Processing of Medical Image Data](#)

[JAVORNÍK, Michal](#), [Otto DOSTÁL](#), [Karel SLAVÍČEK](#) and Miloslav FILKA. Ict as Tool for Controlling of Market Relationship and Increasing of Economic Effectiveness in the Area of Processing of Medical Image Data. In *New information and multimedia technologies NIMT- 2008*. Brno: University of Technology, Brno, 2008. p. 83-85. ISBN 978-80-214-3708-1.

Name in Czech: Uplatnění ICT jako nástroje řízení tržních vztahů a zvyšování efektivity při zpracování medicínských obrazových dat

Use of computers, robotics and its application. English. Czech Republic.

Keywords in English: Telemedicine; Integration; DICOM; PACS

Type of proceedings: pre-proceedings

International impact: yes

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. *Changed:* 20/4/2011 15:55.

More: <https://is.muni.cz/auth/publication/798764/en>

33. [Knowledge Management and Cost - Effectiveness in the Area of Medical Image Data](#)

[JAVORNÍK, Michal](#), [Otto DOSTÁL](#), [Karel SLAVÍČEK](#) and [Pavel VENTRUBA](#). Knowledge Management and Cost - Effectiveness in the Area of Medical Image Data. In *The 38th International Conference on Computers & Industrial Engineering*. Beijing, China: University, Beijing, China, 2008. p. 883-887. ISBN 978-7-121-07437-0.

Name in Czech: Řízení znalostí a nákladová efektivita v oblasti medicínských obrazových dat

RIV/00216224:14610/08:00024348 Proceedings paper. Use of computers, robotics and its application. English. China.

Javorník, Michal (203 Czech Republic, guarantor, belonging to the institution) --

Dostál, Otto (203 Czech Republic, belonging to the institution) -- Slavíček, Karel

(203 Czech Republic, belonging to the institution) -- Ventruba, Pavel (203 Czech Republic, belonging to the institution)

Keywords in English: KNOWLEDGE MANAGEMENT; MEDICAL; DICOM;

Type of proceedings: pre-proceedings

International impact: yes

Reviewed: yes

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. *Changed:* 20/7/2011 11:10.

More: <https://is.muni.cz/auth/publication/798773/en>

34. [Mathematical Processing of Syslog Messages from Routers an Switches](#)

[SLAVÍČEK, Karel](#), [Jaroslav LEDVINKA](#), [Michal JAVORNÍK](#) and [Otto DOSTÁL](#). Mathematical Processing of Syslog Messages from Routers an Switches. In *Information and Automation for Sustainability*. Colombo: IEEE Catalog Number CFP0809B, 2008. p. 463-468. ISBN 978-1-4244-2900-4.

Name in Czech: Matematické zpracování Syslog zpráv ze směrovačů a přepínačů

RIV/00216224:14610/08:00024359 Proceedings paper. Use of computers, robotics and its application. English. Sri Lanka.

Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) --

Ledvinka, Jaroslav (203 Czech Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution)
Keywords in English: Network; Syslog; Message; Processing;
Type of proceedings: pre-proceedings
International impact: yes
Reviewed: yes
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 20/7/2011 11:10.

More: <https://is.muni.cz/auth/publication/800275/en>

35. [Technology backround of international collaboration on medicine multimedia knowledge base establishment](#)

[SLAVÍČEK, Karel](#), [Michal JAVORNÍK](#) and [Otto DOSTÁL](#). Technology backround of international collaboration on medicine multimedia knowledge base establishment. In *Proceedings of the 2nd WSEAS International Conference on COMPUTER ENGINEERING and APPLICATIONS(CEA'08)*. Acapulco, Mexico, January 25-27, 2008: Published by WSEAS Press, 2008. p. 137-142, 5 pp. ISBN 978-960-6766-33-6.

Name in Czech: Technologické základna pro mezinárodní spolupráci v oblasti vytváření medicínské multimediální databáze
RIV/00216224:14610/08:00041923 Proceedings paper. Use of computers, robotics and its application. English. Mexico.
Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution)
Keywords in English: DICOM; medicine ; multimedia ; data
Type of proceedings: post-proceedings
International impact: yes
Reviewed: yes
Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 21/4/2011 10:39.

More: <https://is.muni.cz/auth/publication/766557/en>

2007

36. [DICOM-based teaching archive: the Czech MeDiMed project](#)

[KŘÍSTEK, Jan](#), [Petr KRUPA](#), [Marek MECHL](#) and [Michal JAVORNÍK](#). DICOM-based teaching archive: the Czech MeDiMed project. In *International Journal of Computer Assisted Radiology and Surgery*. 2007/2. Berlin, Německo: Springer, 2007. 1 pp. ISSN 1861-6410.

Name in Czech: Výukový archiv v DICOM formátu: Český projekt MeDiMed
Keywords in English: teaching archive; DICOM; MeDiMed; radiology
Reviewed: yes
Changed by: MUDr. Jan Křístek, Ph.D., učo 90630. Changed: 13/2/2009 14:03.

More: <https://is.muni.cz/auth/publication/819967/en>

37. [Digital tutorial archive](#)

RAČANSKÁ, Eva, [Otto DOSTÁL](#), [Michal JAVORNÍK](#), [Pavel VENTRUBA](#) and [Martin PETRENKO](#). Digital tutorial archive. In *Proceedings of The 3rd IASTED International Conference on Telehealth 2007*. Anaheim/Calgary/Zurich: ACTA Press, 2007. p. 77-81. ISBN 978-0-88986-668-3.

Name in Czech: Digitální výukový archiv

Name (in English): Digital tutorial archive

Informatics. English. Chad.

Keywords in English: PACS (Picture Archiving and Communication System);

DICOM (Digital Imaging and Communication in Medicine); Digital Image; Tutorial Database

Type of proceedings: pre-proceedings

International impact: yes

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. *Changed:* 10/4/2010 10:57.

More: <https://is.muni.cz/auth/publication/727882/en>

38. [Digitální obrazový archiv \(Digital tutorial archive\)](#)

RAČANSKÁ, Eva, [Martin PETRENKO](#), [Pavel VENTRUBA](#), [Otto DOSTÁL](#) and [Michal JAVORNÍK](#). Digitální obrazový archiv (Digital tutorial archive). *Praktická gynekologie*. Brno: Medica Healthworld, 2007, vol. 2007, No 4, p. 179-183. ISSN 1211-6645.

Name in Czech: Digitální obrazový archiv

Name (in English): Digital tutorial archive

RIV/00216224:14610/07:00041595 Article in a journal. Gynaecology and obstetrics. Czech. Czech Republic.

Račanská, Eva (203 Czech Republic, guarantor, belonging to the institution) --

Petrenko, Martin (203 Czech Republic, belonging to the institution) -- Ventruba,

Pavel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech

Republic, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution)

Keywords in English: PACS; modalita; digitální záznam; anonymizace

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. *Changed:* 19/8/2011 09:06.

More: <https://is.muni.cz/auth/publication/727885/en>

39. [Improving Education and Cost - Effectiveness in Medical Imaging](#)

[JAVORNÍK, Michal](#) and [Otto DOSTÁL](#). Improving Education and Cost - Effectiveness in Medical Imaging. *IT@Networking Communications*. Brussels: Christin Marolt, 2007, 1/2007, No 2, p. 14-15. ISSN 1784-0716.

Name in Czech: Zkvalitnění výuky a zvýšení efektivity při zpracování medicínské obrazové informace

RIV/00216224:14610/07:00041514 Article in a journal. Use of computers, robotics and its application. English. Belgium.

Javorník, Michal (203 Czech Republic, guarantor, belonging to the institution) --

Dostál, Otto (203 Czech Republic, belonging to the institution)

Keywords in English: Image; Network; education

Reviewed: yes

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. *Changed:* 19/8/2011 09:06.

More: <https://is.muni.cz/auth/publication/723748/en>

40. [Integration of Telemedicine Activities in the Czech Republic](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#), [Karel SLAVÍČEK](#) and [Pavel VENTRUBA](#). Integration of Telemedicine Activities in the Czech Republic. In *4th International Conference on Innovations in Information Technology, Innovations '07. IEEE*. Dubai, United Arab Emirates: UAE University, 2007. p. 532-536. ISBN 978-1-4244-1840-4.

Name in Czech: Integrace telemedicínských aktivit v ČR
RIV/00216224:14610/07:00041924 Proceedings paper. Use of computers, robotics and its application. English. United Arab Emirates.
Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution) -- Javorník, Michal (203 Czech Republic, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Ventruba, Pavel (203 Czech Republic, belonging to the institution)
Keywords in English: Regional; PACS; medical training; cooperation;
Type of proceedings: post-proceedings
International impact: yes
Reviewed: yes
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 19/8/2011 09:05.

More: <https://is.muni.cz/auth/publication/766560/en>

41. [Opportunities of Today's ICT Technologies for Support of Education and Training in Radiology](#)

[KRUPA, Petr](#), [Michal JAVORNÍK](#) and [Otto DOSTÁL](#). Opportunities of Today's ICT Technologies for Support of Education and Training in Radiology. In *The Sixth International Conference on Networking (ICN 2007)*. Sainte - Luce, Martinique, France: IEEE computer society, 2007. p. 57-62. ISBN 0-7695-2805-8.

Name in Czech: Možnosti současných technologií pro podporu výuky v radiologii
Use of computers, robotics and its application. English. France.
Keywords in English: Dicom ; MeDiMed ; PACS ; Teaching archive;
Type of proceedings: post-proceedings
International impact: yes
Reviewed: yes
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/4/2010 11:07.

More: <https://is.muni.cz/auth/publication/723893/en>

42. [PACS v gynekologii \(PACS in gynecology\)](#)

[RAČANSKÁ, Eva](#), [Martin PETRENKO](#), [Pavel VENTRUBA](#), [Otto DOSTÁL](#) and [Michal JAVORNÍK](#). PACS v gynekologii (PACS in gynecology). In *Edukační sborník XXXI. Brněnské onkologické dny*. Brno: Masarykův onkologický ústav, 2007. p. 60. ISBN 978-978-8679-30-1.

Name in Czech: PACS v gynekologii
Name (in English): PACS in gynecology
Gynaecology and obstetrics. Czech. Czech Republic.
Keywords in English: PACS; endoskopie; ultrazvuk; digitální obrazová data
Type of proceedings: pre-proceedings
Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 25/3/2011 15:48.

More: <https://is.muni.cz/auth/publication/727884/en>

43. [Projekt MEDIMED - regionální archiv medicínských obrazových dat \(The MEDIMED project - regional archive of medicine multimedia data\)](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#), [Martin PETRENKO](#), [Aleš ROČEK](#) and [Karel SLAVÍČEK](#). Projekt MEDIMED - regionální archiv medicínských obrazových dat (The MEDIMED project - regional archive of medicine multimedia data). In *Širokopásmové sítě a jejich aplikace*. Olomouc: CESNET,z.s.p.o.a UP Olomouc, 2007. p. 110-114. ISBN 978-80-244-1687-8.

Name (in English): The MEDIMED project - regional archive of medicine multimedia data

Use of computers, robotics and its application. Czech. Czech Republic.

Keywords in English: PACS;MEDIMED;DICOM

International impact: yes

Reviewed: yes

Changed by: Ing. Aleš Roček, Ph.D., učo 205054. Changed: 1/4/2015 11:40.

More: <https://is.muni.cz/auth/publication/747633/en>

44. [Regionální řešení pro podporu medicínských obrazových informací \(Complex support of medical image information processing\)](#)

[DOSTÁL, Otto](#) and [Michal JAVORNÍK](#). Regionální řešení pro podporu medicínských obrazových informací (Complex support of medical image information processing). In *Telemedicína Brno 2007*. Brno: MSD, 2007. p. 95-119. ISBN 978-80-86633-94-7.

Name in Czech: Complex support of medical image information processing

Name (in English): Complex support of medical image information processing

Use of computers, robotics and its application. Czech. Czech Republic.

Keywords in English: Picture archiving; Communication; Medical

Type of proceedings: pre-proceedings

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 21/4/2011 11:43.

More: <https://is.muni.cz/auth/publication/724055/en>

45. [Tříleté fungování výukové databáze MEDIMED: praktické aspekty](#)

[KŘÍSTEK, Jan](#), [Marek MECHL](#), [Michal JAVORNÍK](#), [Ladislav DUŠEK](#) and [Petr KRUPA](#). Tříleté fungování výukové databáze MEDIMED: praktické aspekty. In *Sborník přednášek Telemedicína Brno 2007*. Brno, 2007. p. CD nosič. ISBN 978-80-86633-94-7.

Changed by: doc. MUDr. Marek Mechl, Ph.D., MBA, učo 24004. Changed: 28/1/2008 13:50.

More: <https://is.muni.cz/auth/publication/752037/en>

46. [Use of 3D geometry modelling of osteochondrosis-like iatrogenic lesions as a template for press and fit scaffold seeded with mesenchymal stem cells.](#)

[KRUPA, Petr](#), [Pavel KRŠEK](#), [Michal JAVORNÍK](#), [Otto DOSTÁL](#), [Robert SRNEC](#), [Pavel USVALD](#), [Pavel PROKS](#), [Helga KECOVÁ](#), [Evzen AMLER](#), [Josef JANČÁŘ](#), [Petr GÁL](#), [Ladislav PLÁNKA](#) and [Alois](#)

[NEČAS](#). Use of 3D geometry modelling of osteochondrosis-like iatrogenic lesions as a template for press and fit scaffold seeded with mesenchymal stem cells. *Physiological Research*. Praha: Institute of Physiology, Academy of Sci, 2007, vol. 56, Suppl 1, p. 107-114. ISSN 0862-8408.

Name in Czech: Použití 3D geometrických modelování k vytvoření předlohy iatrogenního osteochondrálního defektu pro přípravu skafodu pro transplantaci kmenových buněk.

RIV/00216224:14110/07:00024045 Article in a journal. Traumatology and orthopaedics. English. Czech Republic.

Krupa, Petr (203 Czech Republic, guarantor) -- Kršek, Pavel (203 Czech Republic) -- Javorník, Michal (203 Czech Republic) -- Dostál, Otto (203 Czech Republic) -- Srnec, Robert (203 Czech Republic) -- Ušvald, Pavel (203 Czech Republic) -- Proks, Pavel (203 Czech Republic) -- Kecová, Helga (203 Czech Republic) -- Amler, Evžen (203 Czech Republic) -- Jančář, Josef (203 Czech Republic) -- Gál, Petr (203 Czech Republic) -- Plánka, Ladislav (203 Czech Republic) -- Nečas, Alois (203 Czech Republic)

Keywords in English: cartilage; CT imaging; tissue segmentation; joint resurfacing; mesenchyma stem cells

International impact: yes

Reviewed: yes

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 26/6/2009 09:09.

More: <https://is.muni.cz/auth/publication/771705/en>

2006

47. [Collaborative environment supporting research and education in the area of medical image information](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#) and [Pavel VENTRUBA](#). Collaborative environment supporting research and education in the area of medical image information. *International Journal of Computer Assisted Radiology and Surgery*. Deutschland: Springer, 2006, vol. 2006, No 1, p. 98-100. ISSN 1861-6410.

Name in Czech: Kolaborativní prostředí pro podporu výzkumu a vzdělávání v oblasti medicínských obrazových informací

RIV/00216224:14610/06:00017279 Article in a journal. Use of computers, robotics and its application. English. Japan.

Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic) -- Ventruba, Pavel (203 Czech Republic)

Keywords in English: Education and Research PACS; DICOM; Collaborative environment

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 4/10/2006 11:04.

More: <https://is.muni.cz/auth/publication/697369/en>

48. [Opportunity of Current ICT in the Processing of Medical Image Information.](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#) and [Karel SLAVÍČEK](#). Opportunity of Current ICT in the Processing of Medical Image Information. In *In Proceedings of the International Conference International Association of Science and Technology for Development*. Mexico: EASTED. Mexico: The International Association of Science and Technology for Development, 2006. p. 193-195. ISBN 0-88986-545-0.

Name in Czech: Možnosti současných informačních a komunikačních technologií pro zpracování medicínských obrazových oinformací
RIV/00216224:14610/06:00017285 Proceedings paper. Use of computers, robotics and its application. English. Mexico.
Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic) -- Slaviček, Karel (203 Czech Republic)
Keywords in English: telemedicine; wireless; PACS;Medical;Image
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 26/6/2009 09:55.

More: <https://is.muni.cz/auth/publication/697444/en>

49. [PKI Utilisation for PACS Users Authentication](#)

[DOSTÁL, Otto](#), [Karel SLAVÍČEK](#) and [Michal JAVORNÍK](#). PKI Utilisation for PACS Users Authentication. In *ICN 2006*. Mauritius: IEEE Computer Society, 2006. p. 151-156. ISBN 0-7695-2552-0.

Name in Czech: Využití PKI pro autentikaci uživatelů PACSu
RIV/00216224:14610/06:00019335 Proceedings paper. Informatics. English. Mauritius.
Dostál, Otto (203 Czech Republic) -- Slaviček, Karel (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic)
Keywords in English: PKI; PACS; DICOM
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/4/2010 11:20.

More: <https://is.muni.cz/auth/publication/697294/en>

50. [Výukový PACS a jeho přínos ve výuce na LF MU \(Teaching PACS archive and its role at the Medical Faculty of Masaryk University\)](#)

[KRUPA, Petr](#), [Jan KŘÍSTEK](#), [Pavel ANDRES](#), [Otto DOSTÁL](#) and [Michal JAVORNÍK](#). Výukový PACS a jeho přínos ve výuce na LF MU (Teaching PACS archive and its role at the Medical Faculty of Masaryk University). In *RITM report II*. Brno: Masarykova Univerzita Brno, 2006. p. 77. ISBN 80-210-4213-3.

Name (in English): Teaching PACS archive and its role at the Medical Faculty of Masaryk University

Keywords in English: teaching archive; Medimed; radiology education
Changed by: MUDr. Jan Křístek, Ph.D., učo 90630. Changed: 13/2/2009 15:12.

More: <https://is.muni.cz/auth/publication/819987/en>

51. [Využití možností digitálního zpracování obrazových informací pro zvýšení kvality, efektivity a konkurenceschopnosti zdravotnických zařízení](#)

[JAVORNÍK, Michal](#), [Otto DOSTÁL](#) and Pavel ANDRES. Využití možností digitálního zpracování obrazových informací pro zvýšení kvality, efektivity a konkurenceschopnosti zdravotnických zařízení. In *Sborník příspěvků Strategické řízení nemocnic a řízení kvality péče*. 2006th ed. Brno: Brno International Business School, 2006. 1 pp.

Name in Czech: Využití možností digitálního zpracování obrazových informací pro zvýšení kvality, efektivity a konkurenceschopnosti zdravotnických zařízení

Use of computers, robotics and its application. Czech. Czech Republic.
Keywords in English: PACS;Hospitals;
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 4/10/2006 10:52.

More: <https://is.muni.cz/auth/publication/697445/en>

2005

52. [Communication Technology As a Tool to increase Efficiency in Medical Care](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#), [Karel SLAVÍČEK](#) and Miloslav FILKA. Communication Technology As a Tool to increase Efficiency in Medical Care. In *Telecommunications and signal processing TSP 2005*. Brno: VUT Brno, 2005. p. 179-184. ISBN 80-214-2972-0.

Name in Czech: Komunikační technologie jako prostředek ke zvýšení efektivity lékařské péče

RIV/00216224:14610/05:00014331 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic) -- Filka, Miloslav (203 Czech Republic)

Keywords in English: Communication; Medical Care; Efficiency

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/4/2010 11:26.

More: <https://is.muni.cz/auth/publication/597825/en>

53. [MeDiMed: a new platform for multimedial cooperation in medicine](#)

[DOSTÁL, Otto](#) and [Michal JAVORNÍK](#). MeDiMed: a new platform for multimedial cooperation in medicine. *Convergence : globálně o telekomunikacích*. Praha: CNG s. r. o., 2005, vol. 2005, No 11, p. 16-17. ISSN 1214-5785.

Name in Czech: MeDiMed - nová platforma pro multimedialní spolupráci v medicíně

RIV/00216224:14610/05:00014306 Article in a journal. Use of computers, robotics and its application. English. Czech Republic.

Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic)

Keywords in English: multimedia; medicine

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 20/12/2005 12:39.

More: <https://is.muni.cz/auth/publication/596366/en>

54. [Metropolitan Digital Imaging System in Medicine](#)

[DOSTÁL, Otto](#) and [Michal JAVORNÍK](#). Metropolitan Digital Imaging System in Medicine. *Parliament Magazine*. London: Dod's Parliamentary Communications, 2005, vol. 210, No 2005, p. 64.

Name in Czech: Metropolitní digitální zobrazovací systém v Medicíně

RIV/00216224:14610/05:00014332 Article in a journal. Use of computers, robotics and its application. English. United Kingdom of Great Britain and Northern Ireland.

Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic)
Keywords in English: Imaging;Medicine
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 28/12/2005 15:10.

More: <https://is.muni.cz/auth/publication/597884/en>

55. [Projekt MeDiMed \(MeDiMed project\)](#)

[DOSTÁL, Otto](#) and [Michal JAVORNÍK](#). Projekt MeDiMed (MeDiMed project). *Zpravodaj ÚVT MU : bulletin pro zájemce o výpočetní techniku na Masarykově univerzitě*. Brno: MU v Brně, 2005, roč. XVI, No 2, p. 8-11. ISSN 1212-0901.

Name (in English): MeDiMed project
RIV/00216224:14610/05:00014307 Article in a journal. Use of computers, robotics and its application. Czech. Czech Republic.
Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic)
Keywords in English: PACS; Educational; Research
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 20/12/2005 12:59.

More: <https://is.muni.cz/auth/publication/596384/en>

56. [Projekt MEDIMED - metropolitní PACS archiv v Brně \(Project MEDIMED - metropolitan PACS archive in Brno\)](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#), [Martin PETRENKO](#) and [Karel SLAVÍČEK](#). Projekt MEDIMED - metropolitní PACS archiv v Brně (Project MEDIMED - metropolitan PACS archive in Brno). In *Širokopásmové sítě a jejich nové aplikace*. Olomouc: UP Olomouc, 2005. p. 138-143. ISBN 80-244-1035-4.

Name (in English): Project MEDIMED - metropolitan PACS archive in Brno
RIV/00216224:14610/05:00014330 Proceedings paper. Use of computers, robotics and its application. Czech. Czech Republic.
Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic) -- Petrenko, Martin (203 Czech Republic) -- Slaviček, Karel (203 Czech Republic)
Keywords in English: PACS; medicine multimedia data
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 28/12/2005 09:41.

More: <https://is.muni.cz/auth/publication/597805/en>

57. [Regional educational and research centre for processing of medical image information](#)

[DOSTÁL, Otto](#) and [Michal JAVORNÍK](#). Regional educational and research centre for processing of medical image information. In *Computer Assisted Radiology and Surgery*. Berlin: Elsevier B.V., Amsterdam, 2005. p. 911-915. ISBN 0-444-51872-X.

Name in Czech: Regionální výukové a výzkumné centrum pro zpracování medicínských obrazových informací
RIV/00216224:14610/05:00013438 Proceedings paper. Use of computers, robotics and its application. English. Germany.
Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic)

Republic)

Keywords in English: DICOM; Educational; Regional

International impact: yes

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 9/4/2010 08:24.

More: <https://is.muni.cz/auth/publication/596705/en>

58. [Regionální řešení zpracovávání medicínských obrazových informací \(Regional solution for picture archiving and communication systems\)](#)

[DOSTÁL, Otto](#) and [Michal JAVORNÍK](#). Regionální řešení zpracovávání medicínských obrazových informací (Regional solution for picture archiving and communication systems). In *EurOpen*. Plzeň: Česká společnost uživatelů otevřených systémů EurOpen, 2005. p. 125-130. ISBN 80-86583-09-0.

Name (in English): Regional solution for picture archiving and communication systems

RIV/00216224:14610/05:00014312 Proceedings paper. Informatics. Czech. Czech Republic.

Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic)

Keywords in English: DICOM; MeDiMed

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 20/12/2005 14:48.

More: <https://is.muni.cz/auth/publication/596465/en>

59. [Výuka v rámci projektu MeDiMed \(Education in the frame of project MeDiMed\)](#)

[JAVORNÍK, Michal](#) and [Otto DOSTÁL](#). Výuka v rámci projektu MeDiMed (Education in the frame of project MeDiMed). In *Mezinárodní kongres Telemedicína Brno 2005*. Brno: Radiologická společnost ČLS JEP, 2005. p. 27.

[URL](#)

Name (in English): Education in the frame of project MeDiMed

Keywords in English: PACS; DICOM; structured report

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 29/12/2005 13:29.

More: <https://is.muni.cz/auth/publication/597806/en>

60. [Výukový PACS na LF MU \(Educational PACS operated by LF MU\)](#)

[JAVORNÍK, Michal](#), [Otto DOSTÁL](#), [Pavel ANDRES](#), [Ladislav DUŠEK](#) and [Roman ŠMÍD](#). Výukový PACS na LF MU (Educational PACS operated by LF MU). In *BOD XXIX*. Brno: Masarykův onkologický ústav v Brně, 2005. p. 348-349. ISBN 80-86793-05-2.

Name (in English): Educational PACS operated by LF MU

RIV/00216224:14610/05:00014318 Proceedings paper. Use of computers, robotics and its application. Czech. Czech Republic.

Javorník, Michal (203 Czech Republic, guarantor) -- Dostál, Otto (203 Czech Republic) -- Andres, Pavel (203 Czech Republic) -- Dušek, Ladislav (203 Czech Republic) -- Šmíd, Roman (203 Czech Republic)

Keywords in English: DICOM; hypertext; medicine

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 22/12/2005 16:08.

More: <https://is.muni.cz/auth/publication/597164/en>

2004

61. [Development of Regional Centre for Medical Multimedia Data Processing](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#), [Karel SLAVÍČEK](#), [Martin PETRENKO](#) and [Pavel ANDRES](#).

Development of Regional Centre for Medical Multimedia Data Processing. In *Communications, Internet, and Information Technology*. St. Thomas (USA): ACTA Press, 2004. p. 632-636. ISBN 0-88986-445-4.

Name in Czech: Rozvoj regionálního centra zpracování medicínských obrazových dat

RIV/00216224:14610/04:00021260 Proceedings paper. Use of computers, robotics and its application. English. United States of America.

Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic) -- Petrenko, Martin (203 Czech Republic) -- Andres, Pavel (203 Czech Republic)

Keywords in English: Research PACS; Case Study; Telemedicine

International impact: yes

Reviewed: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 8/1/2008 09:35.

More: <https://is.muni.cz/auth/publication/562217/en>

62. [Management of Interhospital Processing of Medical Multimedia Data](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#) and [Karel SLAVÍČEK](#). Management of Interhospital Processing of Medical Multimedia Data. In *Contemporary Trends in Top Management Education: How to Accomodate Demand and Suplply*. Brno: B.I.B.S.,a.s., 2004. p. 70. ISBN 80-86575-74-8.

Name in Czech: Správa mezinemocničního zpracování lékařských multimediálních dat

RIV/00216224:14610/04:00021257 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

Dostál, Otto (203 Czech Republic) -- Javorník, Michal (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic)

Keywords in English: HIS ; DICOM

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 8/1/2008 09:40.

More: <https://is.muni.cz/auth/publication/562169/en>

63. [MEDIMED - Regional PACS Centre in Brno](#)

SCHMIDT, Michal, [Otto DOSTÁL](#) and [Michal JAVORNÍK](#). MEDIMED - Regional PACS Centre in Brno. In *EuroPACS - MIR 2004*. Trieste-Italy: University of Trieste, 2004. p. 463 -465. ISBN 88-8303-150-4.

RIV: Proceedings paper. Use of computers, robotics and its application. English. Italy.

Schmidt, Michal (203 Czech Republic) -- Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic)
Keywords in English: PACS; DICOM; network
International impact: yes
Reviewed: yes
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/4/2010 11:27.

More: <https://is.muni.cz/auth/publication/562151/en>

2003

64. [MEDIMED-Regional Centre for Archiving and Interhospital Exchange of Medicine Multimedia Data](#)

[DOSTÁL, Otto](#), [Michal JAVORNÍK](#), [Karel SLAVÍČEK](#) and [Martin PETRENKO](#). MEDIMED-Regional Centre for Archiving and Interhospital Exchange of Medicine Multimedia Data. In *Proceedings of the Second IASTED International Conference on Communications, Internet, and Information Technology*. Scottsdale, Arizona, USA: International Association of Science and Technology for Development- IASTED, 2003. p. 609-614. ISBN 0-88986-398-9.

Name (in English): MEDIMED-Regional Centre for Archiving and Interhospital Exchange of Medicine Multimedia Data
RIV/00216224:14610/03:00009298 Proceedings paper. Use of computers, robotics and its application. English. United States of America.
Dostál, Otto (203 Czech Republic, guarantor) -- Javorník, Michal (203 Czech Republic) -- Slaviček, Karel (203 Czech Republic) -- Petrenko, Martin (203 Czech Republic)
Keywords in English: PACS; Archiving;Exchange; Medicine; Data
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/12/2003 15:15.

More: <https://is.muni.cz/auth/publication/491157/en>

2002

65. [Metropolitní archiv medicínských obrazových informací](#)

[DOSTÁL, Otto](#) and [Michal JAVORNÍK](#). Metropolitní archiv medicínských obrazových informací. *Zpravodaj ÚVT MU : bulletin pro zájemce o výpočetní techniku na Masarykově univerzitě*. Brno: MU v Brně, 2002, XII, No 5, p. 14-17. ISSN 1212-0901.

Use of computers, robotics and its application. Czech. Czech Republic.
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 28/6/2002 11:19.

More: <https://is.muni.cz/auth/publication/404349/en>