

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

February 2, 2022

[doc. Mgr. Karel Slavíček, Ph.D.](#)

ORCID: 0000-0002-1362-8492

2021

1. [Implementace komunikačních rozhraní v monitorovacích systémech přenosových soustav](#)
(software)

[PITNER, Tomáš](#), [Karel SLAVÍČEK](#), [Michal RANDÁK](#), [Lukáš GROLIG](#), [Bacem MBAREK](#), Petr ČÍKA, Martin ŠTŮSEK, Petr ILGNER, Marek SIKORA, P. HAVELKA, M. BEDNÁŘ and Z. POSPÍŠIL. *Implementace komunikačních rozhraní v monitorovacích systémech přenosových soustav*. 2021.

[URL](#)

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 2/11/2021 21:26.

More: <https://is.muni.cz/auth/publication/1800857/en>

2. [Implementace komunikačních rozhraní v monitorovacích systémech přenosových soustav](#)
(software)

[PITNER, Tomáš](#), [Karel SLAVÍČEK](#), [Michal RANDÁK](#), [Lukáš GROLIG](#), [Bacem MBAREK](#), Petr ČÍKA, Martin ŠTŮSEK, Petr ILGNER, Marek SIKORA, P. HAVELKA, M. BEDNÁŘ and Z. POSPÍŠIL. *Implementace komunikačních rozhraní v monitorovacích systémech přenosových soustav*. 2021.

[URL](#)

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 20/9/2021 08:34.

More: <https://is.muni.cz/auth/publication/1792981/en>

3. [Software pro generování datového provozu pro monitorovací a řídicí systémy TSO na protokolech ICCP-TASE.2 a IEC 60870-5-101](#) (software)

ČÍKA, Petr, Martin ŠTŮSEK, Marek SIKORA, [Tomáš PITNER](#), [Karel SLAVÍČEK](#), [Michal RANDÁK](#), [Bacem MBAREK](#), [Lukáš GROLIG](#), P. HAVELKA, M. BEDNÁŘ and Z. POSPÍŠIL. *Software pro generování datového provozu pro monitorovací a řídicí systémy TSO na protokolech ICCP-TASE.2 a IEC 60870-5-101*. 2021.

[URL](#)

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 20/9/2021 08:25.

More: <https://is.muni.cz/auth/publication/1792979/en>

4. [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

5. [Birefringence influence on polarization changes and frequency on optical fiber](#)

KYSELÁK, Martin, Jan MASCHKE, Marco PANASCI, [Karel SLAVÍČEK](#), [Otto DOSTÁL](#), David GREAR, Milan ČUČKA and Miloslav FILKA. *Birefringence influence on polarization changes and frequency on optical fiber*. SPIE, 2020. p. 1-13. ISBN 978-1-5106-3889-1. doi:10.1117/12.2573696.

Keywords in English: Optic fiber, PANDA fiber, Stokes parameters, spectrum analyzer, polarimeter, frequency, polarization, the sensor of temperature, birefringence

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 20/9/2021 08:50.

More: <https://is.muni.cz/auth/publication/1792983/en>

6. [Frequency Changes Due to Birefringence in the Optical Polarization Maintaining Fibre Sensor](#)

KYSELÁK, Martin, Čestmír VLČEK, Jiří VÁVRA, [Karel SLAVÍČEK](#) and David GREAR. *Frequency Changes Due to Birefringence in the Optical Polarization Maintaining Fibre Sensor*. Hyatt Regency Vancouver, Vancouver, Brit: OSA, 2020. p. 1-6. ISBN 978-1-943580-78-1.

[The paper describer some scientific experiments made with polarization maintaining Fibre used as a sensor element. The objective was to found some dependencies of birefringence in polarization-maintaining optical Fibre on optical signal frequency changes](#)

Keywords in English: Optic fiber, PANDA fiber, Stokes parameters, spectrum analyzer, polarimeter, frequency, polarization, the sensor of temperature, birefringence

Type of proceedings: post-proceedings

Changed by: doc. Mgr. Karel Slaviček, Ph.D., učo 1158. Changed: 10/12/2021 01:20.

More: <https://is.muni.cz/auth/publication/1808577/en>

7. [KYPO4INDUSTRY: A Testbed for Teaching Cybersecurity of Industrial Control Systems](#)

[ČELEDA, Pavel](#), [Jan VYKOPAL](#), [Valdemar ŠVÁBENSKÝ](#) and [Karel SLAVÍČEK](#). KYPO4INDUSTRY: A Testbed for Teaching Cybersecurity of Industrial Control Systems. In *Proceedings of the 51st ACM Technical Symposium on Computer Science Education (SIGCSE '20)*. New York, NY, USA: ACM, 2020. p. 1026-1032. ISBN 978-1-4503-6793-6. doi:10.1145/3328778.3366908.

[Preprint on ArXiv.org](#) [Published version in the conference proceedings](#)

RIV/00216224:14610/20:00115109 Proceedings paper. English. United States of America.

Čeleda, Pavel (203 Czech Republic, guarantor, belonging to the institution) -- Vykopal, Jan (203 Czech Republic, belonging to the institution) -- Švábenský, Valdemar (703 Slovakia, belonging to the institution) -- Slaviček, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: training facility; modular testbed; cyber-physical systems; industrial control systems; ICS; SCADA; cybersecurity education; syllabus

Type of proceedings: post-proceedings

International impact: yes

Reviewed: yes

Changed by: Mgr. Alena Mokra, učo 362754. Changed: 26/4/2021 16:32.

More: <https://is.muni.cz/auth/publication/1567484/en>

2019

8. [Defensive perimeter detection by polarization change of the fibre optic signal. In SPIE Remote Sensing Technologies and Applications in Urban Environments](#)

KYSELAK, Martin, Miloslav FILKA, DAVID GREANAR, [Karel SLAVÍČEK](#), Āestmir VLĀEK, Milan ĀUĀKA and Jiř VAVRA. Defensive perimeter detection by polarization change of the fibre optic signal. In *SPIE Remote Sensing Technologies and Applications in Urban Environments IV. 2019*. Strasbourg: SPIE, 2019. p. 1-6. ISBN 978-1-5106-3017-8. doi:10.1117/12.2532529.

[URL](#)

RIV/00216224:14610/19:00113884 Proceedings paper. English.

Kyselak, Martin (203 Czech Republic, guarantor) -- Filka, Miloslav (203 Czech Republic) -- Greanar, DAVID (203 Czech Republic) -- Slaviček, Karel (203 Czech Republic, belonging to the institution) -- Vlek, Āestmir (203 Czech Republic) -- Āuka, Milan (203 Czech Republic) -- Vavra, Jiř (203 Czech Republic)

Keywords in English: Fiber sensor; polarization maintaining fiber; optical fiber; birefringence; temperature field disturbance; approximation equations; approximation parameters.

International impact: yes

Reviewed: yes

Changed by: doc. Mgr. Karel Slaviček, Ph.D., učo 1158. Changed: 8/5/2020 11:45.

More: <https://is.muni.cz/auth/publication/1637217/en>

9. [Ensuring security of a telemedicine project in compliance with GDPR](#)

[SLAVÍČEK, Karel](#) and [Otto DOSTÁL](#). *Ensuring security of a telemedicine project in compliance with GDPR*. 2019.

International impact: yes

Reviewed: yes

Changed by: JUDr. Otto Dostál, Ph.D., učo 45081. Changed: 29/1/2020 13:42.

More: <https://is.muni.cz/auth/publication/1613776/en>

10. [MeDiMed](#)

[DOSTÁL, Otto](#), [Karel SLAVÍČEK](#) and [Otto DOSTÁL](#). *MeDiMed. Elektrorevue. International Society for Science and Engineering o.s., 2019, vol. 21, No 4, p. 114-119. ISSN 1213-1539.*

[URL](#)

Name in Czech: MeDiMed

Name (in English): MeDiMed

RIV/00216224:14610/19:00113870 Article in a journal. Czech. Czech Republic.

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

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

Keywords in English: PACS; DICOM; medical picture data

Reviewed: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 8/5/2020 12:03.

More: <https://is.muni.cz/auth/publication/1653199/en>

11. [Měřicí modul pro testování závislosti spektrální citlivosti fotodetektoru na prostředí \(Measurement module for testing of dependency of photodetector spectral sensitivity on environment\)](#)

HORA, Tomáš, Pavel PIPERIS and [Karel SLAVÍČEK](#). *Měřicí modul pro testování závislosti spektrální citlivosti fotodetektoru na prostředí (Measurement module for testing of dependency of photodetector spectral sensitivity on environment)*. 2019.

Name (in English): Measurement module for testing of dependency of photodetector spectral sensitivity on environment

RIV/00216224:14610/19:00108427 Research and development projects. Czech. Czech Republic.

Hora, Tomáš (203 Czech Republic) -- Piperis, Pavel (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: Spectral sensitivity; environment dependent

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 22/4/2020 08:49.

More: <https://is.muni.cz/auth/publication/1637256/en>

12. [Modul pro měření závislosti optických vlastností infračervené diody na prostředí \(Measurement module for testing of dependency of infrared diode transmission spectra on environment\)](#)

HORA, Tomáš, Pavel PIPERIS and [Karel SLAVÍČEK](#). *Modul pro měření závislosti optických vlastností infračervené diody na prostředí (Measurement module for testing of dependency of infrared diode transmission spectra on environment)*. 2019.

Name (in English): Measurement module for testing of dependency of infrared diode transmission spectra on environment

RIV/00216224:14610/19:00108428 Research and development projects. Czech. Czech Republic.

Hora, Tomáš (203 Czech Republic, guarantor) -- Piperis, Pavel (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: Spectral sensitivity; environment dependency

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 22/4/2020 08:48.

More: <https://is.muni.cz/auth/publication/1637276/en>

13. [Sensor system for measuring temperature changes using alternative detection of polarization changes](#)

GREMAR, David, Martin KYSELÁK and [Karel SLAVÍČEK](#). Sensor system for measuring temperature changes using alternative detection of polarization changes. In *SPIE Future Sensing Technologies*. Tokyo: SPIE, 2019. p. 1-3. ISBN 978-1-5106-3111-3. doi:10.1117/12.2547319.

[URL](#)

RIV/00216224:14610/19:00114803 Proceedings paper. English.

Grenar, David (203 Czech Republic) -- Kyselák, Martin (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: Sensor; Optics; polarization; detection; Optical fibers

International impact: yes

Reviewed: yes

Changed by: Mgr. Alena Mokra, učo 362754. Changed: 12/5/2020 15:39.

More: <https://is.muni.cz/auth/publication/1637236/en>

2018

14. [Kamerovy modul nositelny na osobe \(Wearable camera module\)](#)

[SLAVICEK, Karel](#). *Kamerovy modul nositelny na osobe (Wearable camera module)*. 2018.

Name (in English): Wearable camera module

RIV/00216224:14610/18:00106563 Outcomes put into operation (prototype, working sample). Czech. Czech Republic.

Slavicek, Karel (203 Czech Republic, guarantor, belonging to the institution)

Keywords in English: camera module; PAL/NTSC; DVP

Changed by: doc. Mgr. Karel Slavicek, Ph.D., učo 1158. Changed: 15/4/2019 21:42.

More: <https://is.muni.cz/auth/publication/1504836/en>

2017

15. [Dohledový systém satelitní MESH sítě \(Management system for satellite MESH network\)](#)
(software)

SÝKORA, Martin, [Karel SLAVÍČEK](#) and Štěpán GRABOVSKÝ. *Dohledový systém satelitní MESH sítě (Management system for satellite MESH network)*. 2017.

[URL](#)

Name (in English): Management system for satellite MESH network
RIV/00216224:14610/17:00100277 Software. Czech. Czech Republic.
Sýkora, Martin (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Grabovský, Štěpán (203 Czech Republic)
Keywords in English: satellite MESH network; management system
Changed by: Mgr. Alena Mokr, uo 362754. *Changed:* 17/8/2018 09:22.

More: <https://is.muni.cz/auth/publication/1410424/en>

16. [MESH satelitn terminl \(MESH satellite terminal\)](#)

SÝKORA, Martin, [Karel SLAVÍČEK](#) and Štěpn GRABOVSKÝ. *MESH satelitn terminl (MESH satellite terminal)*. 2017.

[URL](#)

Name (in English): MESH satellite terminal
RIV/00216224:14610/17:00100275 Outcomes put into operation (prototype, working sample). Czech. Czech Republic.
Sýkora, Martin (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Grabovský, Štěpn (203 Czech Republic)
Keywords in English: satellite terminal; MESH topology
Changed by: Mgr. Alena Mokr, uo 362754. *Changed:* 17/8/2018 09:21.

More: <https://is.muni.cz/auth/publication/1410417/en>

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

[ROČEK, Aleš](#), [Michal JAVORNK](#), [Karel SLAVÍČEK](#) and [Otto DOSTL](#). 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.
Roček, Aleš (203 Czech Republic, guarantor, belonging to the institution) -- Javornk, Michal (203 Czech Republic, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Dostl, 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

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

[ROCEK, Ales](#), [Karel SLAVICEK](#), [Otto DOSTAL](#) and [Michal JAVORNIK](#). 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.

Rocek, Ales (203 Czech Republic, guarantor) -- Slavicek, Karel (203 Czech Republic, belonging to the institution) -- Dostal, Otto (203 Czech Republic, belonging to the institution) -- Javornik, 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>

19. [Jednotka pro vyhodnocovanı optickeho inklinometru \(Fiber optic inclinometer interrogation unit\)](#)

HELAN, Radek, Frantisek URBAN and [Karel SLAVICEK](#). *Jednotka pro vyhodnocovanı optickeho inklinometru (Fiber optic inclinometer interrogation unit)*. 2016.

Name in Czech: Jednotka pro vyhodnocovanı optickeho inklinometru

Name (in English): Fiber optic inclinometer interrogation unit

RIV/00216224:14610/16:00093840 Outcomes put into operation (prototype, working sample). Electronics and optoelectronics. Czech. Czech Republic. obsah podleha obchodnımu tajemstvı.

Helan, Radek (203 Czech Republic, guarantor) -- Urban, Frantisek (203 Czech Republic) -- Slavicek, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: FBG interrogation; Bragg grating; Optical sensing

Changed by: Mgr. Marta Novotna Bursikova, uco 15689. Changed: 13/4/2017 13:47.

More: <https://is.muni.cz/auth/publication/1375020/en>

20. [Prototyp virtualizovatelne rıdıcı platformy \(Virtualization capable control platform\)](#)

KAČINETZ, Alan and [Karel SLAVÍČEK](#). *Prototyp virtualizovatelné řídicí platformy (Virtualization capable control platform)*. 2016.

Name (in English): Virtualization capable control platform

RIV/00216224:14610/16:00093875 Outcomes put into operation (prototype, working sample). Electronics and optoelectronics. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.

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

Keywords in English: office automation; virtualization; PLC

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 4/4/2017 13:45.

More: <https://is.muni.cz/auth/publication/1375198/en>

21. [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., učo 205054. Changed: 24/3/2017 09:50.

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

22. [Systém detekce polohy \(Posilitioning system\)](#)

SÝKORA, Martin and [Karel SLAVÍČEK](#). *Systém detekce polohy (Posilitioning system)*. 2016.

Name in Czech: Systém detekce polohy

Name (in English): Posilitioning system

RIV/00216224:14610/16:00093846 Outcomes put into operation (prototype, working sample). Electronics and optoelectronics. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.

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

Keywords in English: positioning; inertial measurement

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 13/4/2017 13:49.

More: <https://is.muni.cz/auth/publication/1375037/en>

23. [Systém orientace antény satelitního terminálu \(Satellite terminal antenna orientation system\)](#)

SÝKORA, Martin and [Karel SLAVÍČEK](#). *Systém orientace antény satelitního terminálu (Satellite terminal antenna orientation system)*. 2016.

Name (in English): Satellite terminal antenna orientation system
RIV/00216224:14610/16:00093842 Outcomes put into operation (prototype, working sample). Electronics and optoelectronics. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.
Sýkora, Martin (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)
Keywords in English: satellite terminal; Inertial measurement
Changed by: Mgr. Marta Novotná Buršíková, učo 15689. *Changed:* 13/4/2017 13:50.

More: <https://is.muni.cz/auth/publication/1375026/en>

2015

24. [Optický vláknový inklinometr s Braggovými mřížkami \(Fiber optic inclinometer with fiber Bragg gratings\)](#)

HELÁN, Radek, František URBAN and [Karel SLAVÍČEK](#). *Optický vláknový inklinometr s Braggovými mřížkami (Fiber optic inclinometer with fiber Bragg gratings)*. 2015.

[URL](#)

Name (in English): Fiber optic inclinometer with fiber Bragg gratings
RIV/00216224:14610/15:00087112 Outcomes put into operation (prototype, working sample). Electronics and optoelectronics. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.
Helán, Radek (203 Czech Republic, guarantor) -- Urban, František (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)
Keywords in English: optical sensor; Bragg grating; inclinometer
Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 11/4/2016 08:54.

More: <https://is.muni.cz/auth/publication/1340362/en>

2014

25. [DWY Time Series Decomposition Model](#)

[SLAVÍČEK, Karel](#), [Otto DOSTÁL](#) and [Vladimír SCHINDLER](#). DWY Time Series Decomposition Model. In *International Conference on Software, Electronics & Industrial Engineering*. Pattaya, Thailand: Planetary Scientific Research Centre, 2014. p. 27-30. ISBN 978-93-84468-10-1.

RIV/00216224:14610/14:00073307 Proceedings paper. Informatics. English. Thailand.
Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Dostál, Otto (203 Czech Republic, belonging to the institution) -- Schindler, Vladimír (203

Czech Republic, guarantor, belonging to the institution)
Keywords in English: time series; weekly cycle; calendar dependency
Type of proceedings: post-proceedings
International impact: yes
Reviewed: yes
Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 7/4/2015 09:34.

More: <https://is.muni.cz/auth/publication/1217033/en>

26. [InstantPACS](#)

SEDLÁK, Petr and [Karel SLAVÍČEK](#). *InstantPACS*. 2014.

[URL](#)

Name (in English): InstantPACS
RIV/00216224:14610/14:00073308 Outcomes put into operation (prototype, working sample). Computer hardware and software. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.
Sedlák, Petr (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)
Keywords in English: PACS server; maintenance-free
Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 11/4/2016 08:54.

More: <https://is.muni.cz/auth/publication/1217042/en>

27. [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>

28. [Analýza vývoje telekomunikací pro ČEZ Distribuční služby, s.r.o. \(Analysis of the development of telecommunications for CEZ Distribution Services Ltd.\)](#)

[DOSTÁL, Otto](#), [Karel SLAVÍČEK](#), [Vladimír SCHINDLER](#), [Daniel TOVARŇÁK](#), Filip PROCHÁZKA and Miroslav GURIČAN. *Analýza vývoje telekomunikací pro ČEZ Distribuční služby, s.r.o. (Analysis of the development of telecommunications for CEZ Distribution Services Ltd.)*. Brno: ČEZ Distribuční služby, s.r.o., 2013. 55 pp. Výzkumná zpráva 112013.

Name (in English): Analysis of the development of telecommunications for CEZ Distribution Services Ltd.

RIV/00216224:14610/13:00072640 Research report. Computer hardware and software. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.

Dostál, Otto (203 Czech Republic, guarantor, belonging to the institution) -- Slavíček, Karel (203 Czech Republic, belonging to the institution) -- Schindler, Vladimír (203 Czech Republic, belonging to the institution) -- Tovarňák, Daniel (203 Czech Republic) -- Procházka, Filip (203 Czech Republic) -- Guričan, Miroslav (703 Slovakia)

Keywords in English: GPRS;EDGE;CDMA;UMTS;LTE;IP;Erlang/OTP;

Changed by: Ing. Vladimír Schindler, Ph.D., učo 160298. Changed: 28/5/2014 16:11.

More: <https://is.muni.cz/auth/publication/1169438/en>

29. [Aplikace pro mobilní telefon pro ovládání externích videokonferenčních zařízení \(Smartphone application for external videoconference equipment control\)](#)

SÝKORA, Martin, Filip BURŠÍK, Martin HENEŠ, Tomáš MENCLÍK and [Karel SLAVÍČEK](#). *Aplikace pro mobilní telefon pro ovládání externích videokonferenčních zařízení (Smartphone application for external videoconference equipment control)*. 2013.

[URL](#)

Name (in English): Smartphone application for external videoconference equipment control

RIV/00216224:14610/13:00073058 Outcomes put into operation (prototype, working sample). Informatics. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.

Sýkora, Martin (203 Czech Republic, guarantor) -- Buršík, Filip (203 Czech Republic) -- Heneš, Martin (203 Czech Republic) -- Menclík, Tomáš (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: videoconference; inertial sensors; evaluation of gestures; mobile application

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 7/4/2016 09:45.

More: <https://is.muni.cz/auth/publication/1180285/en>

30. [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>

31. [Jednotka pro vyhodnocování optického spektra \(Optical spectrum evaluation module\)](#)

URBAN, František, Milan HOLÍK, Petr NESVADBA and [Karel SLAVÍČEK](#). *Jednotka pro vyhodnocování optického spektra (Optical spectrum evaluation module)*. 2013.

[URL](#)

Name (in English): Optical spectrum evaluation module

RIV/00216224:14610/13:00073060 Outcomes put into operation (prototype, working sample). Electronics and optoelectronics. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.

Urban, František (203 Czech Republic, guarantor) -- Holík, Milan (203 Czech Republic) -- Nesvadba, Petr (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)

Keywords in English: optical sensors; Bragg gratings; tensile load sensor; pressure sensor; bending sensor; spectral scanning

International impact: yes

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 7/4/2016 12:38.

More: <https://is.muni.cz/auth/publication/1180315/en>

32. [Kalman filter improvement for gyroscopic mouse movement smoothing](#)

[SLAVÍČEK, Karel](#), [Vladimír SCHINDLER](#), [Otto DOSTÁL](#) and Martin SÝKORA. Kalman filter improvement for gyroscopic mouse movement smoothing. In Z. Thaweesak, P.S. Sandhu. *IIE Int'l Proceedings of International Conference on Research in Science, Engineering and Technology*. Kuala Lumpur: International Institute of Engineers, 2013. p. 43-48. ISBN 978-93-82242-47-5.

Name (in English): Kalman filter improvement for gyroscopic mouse movement smoothing

RIV/00216224:14610/13:00071655 Proceedings paper. Electronics and optoelectronics. English. Malaysia.

Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) -- Schindler, Vladimír (203 Czech Republic) -- Dostál, Otto (203 Czech Republic, belonging to the institution) -- Sýkora, Martin (203 Czech Republic)

Keywords in English: gyroscope; accelerometer; Kalman filter

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 1/4/2014 09:55.

More: <https://is.muni.cz/auth/publication/1162058/en>

33. [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>

34. [Systém pro ovládání videokonferenčních zařízení \(Videoconferencing control system\)](#)

SÝKORA, Martin, Filip BURŠÍK, Martin HENEŠ, Tomáš MENCLÍK and [Karel SLAVÍČEK](#). *Systém pro ovládání videokonferenčních zařízení (Videoconferencing control system)*. 2013.

[URL](#)

Name (in English): Videoconferencing control system
RIV/00216224:14610/13:00073057 Outcomes put into operation (prototype, working sample). Informatics. Czech. Czech Republic. obsah podléhá obchodnímu tajemství.
Sýkora, Martin (203 Czech Republic, guarantor) -- Buršík, Filip (203 Czech Republic) -- Heneš, Martin (203 Czech Republic) -- Menclík, Tomáš (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)
Keywords in English: videoconference; inertial sensors; evaluation of gestures
Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 7/4/2016 09:46.

More: <https://is.muni.cz/auth/publication/1180280/en>

2012

35. [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>

36. [ICT Systems Monitoring](#)

[DOSTÁL, Otto](#), [Karel SLAVÍČEK](#), [Michal JAVORNÍK](#) and Pavel BUDIŠ. *ICT Systems Monitoring*. Saarbrücken: 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>

37. [Modelling of part medium access methods in the HomePlug](#)

KOUTNÝ, Martin, Jiří MIŠUREC, Petr MLÝNEK and [Karel SLAVÍČEK](#). Modelling of part medium access methods in the HomePlug. *Przegląd Elektrotechniczny*. Polsko, 2012, vol. 88, No 1, p. 225-229. ISSN 0033-2097.

Name in Czech: Modelování části přístupové metody technologie HomePlug
RIV/00216224:14610/12:00059572 Article in a journal. Informatics. English. Poland.
Koutný, Martin (203 Czech Republic, guarantor) -- Mišurec, Jiří (203 Czech Republic) -- Mlýnek, Petr (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, belonging to the institution)
Keywords in English: HomePlug; TDMA; CSMA/CA; modeling of backoff function; Markovs proceses
International impact: yes
Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 7/4/2016 08:27.

More: <https://is.muni.cz/auth/publication/977174/en>

38. [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

39. [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>

40. [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>

41. [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

42. [CzechLight family of optical networking equipment](#)

[SLAVÍČEK, Karel](#) and Josef VOJTĚCH. CzechLight family of optical networking equipment. In *Proceedings 10th International conference on Laser & Fiber-optical Networks Modeling*. Sevastopol: IEEE, 2010. p. 79-83. ISBN 978-1-4244-6995-6.

Name in Czech: Rodina optických síťových prvků CzechLight

RIV/00216224:14610/10:00051598 Proceedings paper. Electronics and optoelectronics. English. Ukraine.

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

Keywords in English: fiber optics; CzechLight; singlefiber

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 27/3/2012 14:38.

More: <https://is.muni.cz/auth/publication/914658/en>

43. [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>

44. [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>

45. [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>

46. [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>

2009

47. [CESNET Fiber Optics Transport Network](#)

[SLAVÍČEK, Karel](#), Václav NOVÁK and [Jaroslav LEDVINKA](#). CESNET Fiber Optics Transport Network. In *The Eight International Conference on Networks*. Gosier, Guadeloupe/France: IEEE, 2009. p. 403-408. ISBN 978-0-7695-3552-4.

Name in Czech: Optická přenosová síť CESNET

RIV/00216224:14610/09:00051593 Proceedings paper. Electronics and optoelectronics. English. France.

Slavíček, Karel (203 Czech Republic, guarantor, belonging to the institution) -- Novák, Václav (203 Czech Republic) -- Ledvinka, Jaroslav (203 Czech Republic, belonging to the institution)

Keywords in English: fiber optics network; DWDM

Type of proceedings: post-proceedings

International impact: yes

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 27/3/2012 14:08.

More: <https://is.muni.cz/auth/publication/914494/en>

48. [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.

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) -- 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>

49. [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>

2008

50. [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>

51. [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>

52. [Mathematical Processing of Syslog Messages from Routers and Switches](#)

[SLAVÍČEK, Karel](#), [Jaroslav LEDVINKA](#), [Michal JAVORNÍK](#) and [Otto DOSTÁL](#). Mathematical Processing of Syslog Messages from Routers and 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>

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

[SLAVÍČEK, Karel](#), [Michal JAVORNÍK](#) and [Otto DOSTÁL](#). Technology background 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

54. [Carrier Grade Ethernet](#)

[DOSTÁL, Otto](#), [Karel SLAVÍČEK](#) and Miloslav FILKA. Carrier Grade Ethernet. In *telecommunications and signalprocessing TSP 2007*. Brno: VUT Brno, 2007. p. 123-127. ISBN 978-80-214-3445-5.

Name in Czech: Ethernet pro operátory

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

Keywords in English: Ethernet;WAN;Networks:

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. Changed: 21/4/2011 10:57.

More: <https://is.muni.cz/auth/publication/747004/en>

55. [Cesnet Backbone Transport Network](#)

[SLAVÍČEK, Karel](#) and Václav NOVÁK. Cesnet Backbone Transport Network. *WSEAS Transactionson Communications*. 2007, vol. 6, No 2, p. 377-382. ISSN 1109-2742.

Name in Czech: Pátevní transportní síť CESNETu

RIV/00216224:14610/07:00023211 Article in a journal. Use of computers, robotics and its application. English. Greece.

Slavíček, Karel (203 Czech Republic, guarantor) -- Novák, Václav (203 Czech Republic)

Keywords in English: NREN; Darkfibre; NIL; DWDM; CBF

International impact: yes

Reviewed: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 8/1/2008 09:01.

More: <https://is.muni.cz/auth/publication/747495/en>

56. [Czech DWDM National Research Network-Case Study](#)

NOVÁK, Václav, Rita PUŽMANOVÁ and [Karel SLAVÍČEK](#). Czech DWDM National Research Network-Case Study. In *IEC Annual Review of Communications*. USA: International Engineering Consortium, 2007. p. 351-353. Vol.59. ISBN 1-931695-53-9.

Name in Czech: Česká DWDM národní výzkumná síť - případová studie

RIV/00216224:14610/07:00023215 Chapter(s) of a specialized book. Use of computers, robotics and its application. English. United States of America.

Novák, Václav (203 Czech Republic) -- Pužmanová, Rita (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, guarantor)

Keywords in English: DWDMnetwork

International impact: yes

Reviewed: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 8/1/2008 09:02.

More: <https://is.muni.cz/auth/publication/747525/en>

57. [Efektivní zpracování medicínských obrazových dat \(Effective processing of medical image information\)](#)

ŠÁREK, Milan, [Otto DOSTÁL](#), [Karel SLAVÍČEK](#) and [Pavel ANDRES](#). Efektivní zpracování medicínských obrazových dat (Effective processing of medical image information). In *Širokopásmové sítě a jejich aplikace*. Olomouc: Univerzita Palackého v Olomouci, 2007. p. 107-109. ISBN 978-80-244-1687-8.

Name (in English): Effective processing of medical image information

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

Keywords in English: telemedicine; PACS; legislature; research;

Changed by: Mgr. Marta Novotná Buršíková, učo 15689. *Changed:* 22/4/2011 14:36.

More: <https://is.muni.cz/auth/publication/718983/en>

58. [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>

59. [Introduction of Alien Wavelength into Cesnet DWDM Backbone](#)

[SLAVÍČEK, Karel](#) and Václav NOVÁK. Introduction of Alien Wavelength into Cesnet DWDM Backbone. In *Sixth International Conference on Information, Communications and Signal Processing*. Singapore: IEEE, 2007. p. 977-981. ISBN 978-1-4244-0982-2.

Electronics and optoelectronics. English. United States of America.

Keywords in English: DWDM; Alien wavelength

International impact: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 23/4/2012 09:05.

More: <https://is.muni.cz/auth/publication/879387/en>

60. [Maximum Frame Size in Large Layer 2 Networks](#)

[SLAVÍČEK, Karel](#). Maximum Frame Size in Large Layer 2 Networks. *Lecture Notes in Computer Science*. Spolková republika Německo, 2007, vol. 4712, No 1, p. 409-418. ISSN 0302-9743.

Name in Czech: Maximální velikost rámce v rozlehlých layer 2 sítích
RIV/00216224:14610/07:00023209 Article in a journal. Use of computers, robotics and its application. English. Germany.

Slavíček, Karel (203 Czech Republic, guarantor)

Keywords in English: ethernet; MTU signaling; ARP

International impact: yes

Reviewed: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 8/1/2008 09:13.

More: <https://is.muni.cz/auth/publication/747485/en>

61. [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>

62. [Wireless Technology in Medicine Applications](#)

[DOSTÁL, Otto](#) and [Karel SLAVÍČEK](#). Wireless Technology in Medicine Applications. In *Personal Wireless Communications*. 2007th ed. Praha: Springer Verlag, 2007. p. 316-324. ISBN 978-0-387-74158-1.

Name in Czech: Bezdrátové technologie v medicínských aplikacích

RIV/00216224:14610/07:00023160 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

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

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

Keywords in English: PACS; DICOM; Medicine Picture Data

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. Changed: 29/3/2012 16:08.

More: <https://is.muni.cz/auth/publication/747001/en>

2006

63. [Dark Fiber in Cesnet Backbone](#)

[SLAVÍČEK, Karel](#). Dark Fiber in Cesnet Backbone. *WSEAS Transactionson Communications*. 2006, vol. 5, No 9, p. 1783;1788, 6 pp. ISSN 1109-2742.

Name in Czech: Temná vlákna v páteři Cesnetu

RIV/00216224:14610/06:00023208 Article in a journal. Use of computers, robotics and its application. English. Czech Republic.

Slavíček, Karel (203 Czech Republic, guarantor)

Keywords in English: Darkfiber;OAM;NREN;singlefiber;NIL

International impact: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 8/1/2008 09:16.

More: <https://is.muni.cz/auth/publication/747483/en>

64. [Designand Deployment of CESNET 2 DWDM Core Network](#)

NOVÁK, Václav, [Karel SLAVÍČEK](#), Jiří CIHLÁŘ and Aldo FORGHIERI. Designand Deployment of CESNET 2 DWDM Core Network. In *CESNET Conference 2006*. Praha: CESNET,z.s.p.o., 2006. p. 43-53. ISBN 80-239-6533-6.

Name in Czech: Designa implementace DWDM v páteři CESNET2

RIV/00216224:14610/06:00023216 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

Novák, Václav (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, guarantor) -- Cihlář, Jiří (203 Czech Republic) -- Forghieri, Aldo (380 Italy)

Keywords in English: DWDM; lambdaservice; backbonenetwork

International impact: yes

Reviewed: yes

Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 8/1/2008 09:17.

More: <https://is.muni.cz/auth/publication/747528/en>

65. [DWDM in CESNET Backbone Network](#)

NOVÁK, Václav, [Karel SLAVÍČEK](#), [Otto DOSTÁL](#) and Miloslav FILKA. DWDM in CESNET Backbone Network. In *Telecommunications and Signal Processing TSP-2006*. Brno: VUT Brno, 2006. p. 145-151. ISBN 80-214-3226-8.

Name in Czech: DWDM na páteřní síti CESNET

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

Novák, Václav (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, guarantor) -- Dostál, Otto (203 Czech Republic) -- Filka, Miloslav (203 Czech Republic)

Keywords in English: DWDM; backbone; NREN

International impact: yes

Reviewed: yes

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. *Changed:* 7/4/2010 17:05.

More: <https://is.muni.cz/auth/publication/747560/en>

66. [Ethernet OAM in CESNET Backbone](#)

[SLAVÍČEK, Karel](#). Ethernet OAM in CESNET Backbone. In *10th WSEAS International Conference on COMMUNICATIONS*. Athens, Greece: World Scientific and Engineering Academy and Society, 2006. p. 286-290. ISBN 960-8457-47-5.

Name in Czech: Ethernet OAM v páteřní síti CESNET
RIV/00216224:14610/06:00023210 Proceedings paper. Use of computers, robotics and its application. English. Greece.
Slavíček, Karel (203 Czech Republic, guarantor)
Keywords in English: CEF; OAM; fibreoptics
International impact: yes
Reviewed: yes
Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 8/1/2008 09:19.

More: <https://is.muni.cz/auth/publication/747488/en>

67. [Fiber Optics Transport Infrastructure of Cesnet Backbone](#)

[SLAVÍČEK, Karel](#) and Václav NOVÁK. Fiber Optics Transport Infrastructure of Cesnet Backbone. In *Proceedings of 6th WSEAS International Conference on Applied Computer Science*. Tenerife, Spain: WSEAS, 2006. p. 323-328. ISBN 960-8457-57-2.

Name in Czech: Optická přenosová páteřní síť Cesnet
RIV: Proceedings paper. Use of computers, robotics and its application. English. Spain.
Slavíček, Karel (203 Czech Republic, guarantor) -- Novák, Václav (203 Czech Republic)
Keywords in English: Fiberoptics;DWDM;EDFA;NIL
Changed by: doc. Mgr. Karel Slavíček, Ph.D., učo 1158. *Changed:* 9/4/2010 09:56.

More: <https://is.muni.cz/auth/publication/747564/en>

68. [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) -- Slavíček, 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>

69. [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) -- Slavíček, 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>

70. [User Authentication to Access Secure Data](#)

NAVRÁTIL, Pavel, [Karel SLAVÍČEK](#) and [Otto DOSTÁL](#). User Authentication to Access Secure Data. In *First CESNET Conference on Advanced Communications and Grids*. Praha: CESNET z.s.p.o., 2006. p. 127-132. ISBN 80-239-6533-6.

Name in Czech: Autentikace uživatelů pro přístup k zabezpečeným datům
RIV/00216224:14610/06:00016684 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

Navrátil, Pavel (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, guarantor) -- Dostál, Otto (203 Czech Republic)

Keywords in English: USB token; PACS; VPN

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 7/4/2006 15:50.

More: <https://is.muni.cz/auth/publication/631551/en>

2005

71. [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>

72. [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>

73. [Přenos IPv4 multicastu v síti CESNET2 \(IPv4 multicast in CESNET2 network\)](#)

NOVÁK, Václav and [Karel SLAVÍČEK](#). Přenos IPv4 multicastu v síti CESNET2 (IPv4 multicast in CESNET2 network). In *Širokopásmové sítě*. Olomouc: UP Olomouc, 2005. p. 100-104. ISBN 80-244-1035-4.

Name (in English): IPv4 multicast in CESNET2 network

RIV/00216224:14610/05:00023220 Proceedings paper. Use of computers, robotics and its application. Czech. Czech Republic.

Novák, Václav (203 Czech Republic) -- Slaviček, Karel (203 Czech Republic, guarantor)

Keywords in English: multicast;backbone;routing

Changed by: doc. Mgr. Karel Slaviček, Ph.D., učo 1158. *Changed:* 9/4/2010 15:05.

More: <https://is.muni.cz/auth/publication/747569/en>

74. [Single Fiber Lines in CESNET Backbone](#)

[SLAVÍČEK, Karel](#) and Václav NOVÁK. Single Fiber Lines in CESNET Backbone. In *Proceedings of the WSEAS International Conferences ISCOCO'05*. Tenerife: WSEAS, 2005. p. 400-404. ISBN 960-8457-39-4.

Name in Czech: Jednovláknové trasy v síti CESNET

RIV/00216224:14610/05:00023230 Proceedings paper. Use of computers, robotics and its application. English. Spain.

Slaviček, Karel (203 Czech Republic, guarantor) -- Novák, Václav (203 Czech Republic)

Keywords in English: singlefiber;gigabitethernet;darkfiber;NREN

Changed by: doc. Mgr. Karel Slaviček, Ph.D., učo 1158. *Changed:* 8/1/2008 09:32.

More: <https://is.muni.cz/auth/publication/747631/en>

75. [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>

76. [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>

77. [New trends in ethernet OAM](#)

[DOSTÁL, Otto](#), Miloslav FILKA and [Karel SLAVÍČEK](#). New trends in ethernet OAM. In *Telecommunications and Signal Processing TSP-2004*. Brno: VUT Brno, 2004. p. 259-262. ISBN 80-214-2684-5.

Name in Czech: Nové trendy OAM pro ethernet

RIV/00216224:14610/04:00021259 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

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

Keywords in English: Ethernet;OAM;802.3h

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/4/2010 11:39.

More: <https://is.muni.cz/auth/publication/562208/en>

78. [Prenosové kapacity pre rozvoj a spracovanie obrazových medicínských informácií \(Transmission Capacities for Evolution and Processing Image Medical Informations\)](#)

[DOSTÁL, Otto](#), Miloslav FILKA and [Karel SLAVÍČEK](#). Prenosové kapacity pre rozvoj a spracovanie obrazových medicínských informácií (Transmission Capacities for Evolution and Processing Image Medical Informations). In *10th International Scientific Conference COFAX-Telekomunikácie 2004*. Bratislava: D&Dstudio Bratislava, 2004. p. 125-128. ISBN 80-967019-6-7.

Name in Czech: Přenosové kapacity pro rozvoj a zpracování medicínských obrazových informací

Name (in English): Transmission Capacities for Evolution and Processing Image Medical Informations

RIV/00216224:14610/04:00021256 Proceedings paper. Use of computers, robotics and its application. Slovak. Slovakia.

Dostál, Otto (203 Czech Republic, guarantor) -- Filka, Miloslav (203 Czech Republic) -- Slaviček, Karel (203 Czech Republic)

Keywords in English: PACS;MEDIMED;network

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. *Changed:* 10/4/2010 11:41.

More: <https://is.muni.cz/auth/publication/562159/en>

2003

79. [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>

80. [Transport of IP protocol over SDH network](#)

[DOSTÁL, Otto](#), Miloslav FILKA and [Karel SLAVÍČEK](#). Transport of IP protocol over SDH network. In *26 International Conference - Telecommunications and signal processing TSP - 2003*. Brno: VUT Brno, 2003. p. 28-33. ISBN 80-214-2433-8.

RIV/00216224:14610/03:00009300 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

Dostál, Otto (203 Czech Republic, guarantor) -- Filka, Miloslav (203 Czech

Republic) -- Slavíček, Karel (203 Czech Republic)

Keywords in English: protocol; ATM; POS; Ethernet; SDH

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 11/12/2003 12:01.

More: <https://is.muni.cz/auth/publication/491194/en>

81. [Využití vysokorychlostní sítě pro potřebu medicínských aplikací \(Usage of high speed network for medicine applications\)](#)

[DOSTÁL, Otto](#), [Karel SLAVÍČEK](#) and [Martin PETRENKO](#). Využití vysokorychlostní sítě pro potřebu medicínských aplikací (Usage of high speed network for medicine applications). In *Sborník příspěvků Širokopásmové sítě a jejich aplikace*. Olomouc: Univerzita Palackého v Olomouci, 2003. p. 70-74. ISBN 80-244-0642-X.

Name (in English): Usage of high speed network for medicine applications
RIV/00216224:14610/03:00009297 Proceedings paper. Use of computers, robotics and its application. Czech. Czech Republic.

Dostál, Otto (203 Czech Republic, guarantor) -- Slavíček, Karel (203 Czech Republic) -- Petrenko, Martin (203 Czech Republic)

Keywords in English: network; PACS; DICOM

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 11/12/2003 13:54.

More: <https://is.muni.cz/auth/publication/491148/en>

2002

82. [Network infrastructure for transport of medicine video data](#)

[DOSTÁL, Otto](#), Miloslav FILKA and [Karel SLAVÍČEK](#). Network infrastructure for transport of medicine video data. In *Telecommunication and Signal Processing TSP 2002*. Brno: Brno University of Technology, 25 International Conference, 2002. p. 13-16. ISBN 80-214-2172-X.

RIV/00216224:14330/02:00006543 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

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

Keywords in English: Network; Multimedia; Medicine

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 1/12/2002 17:03.

More: <https://is.muni.cz/auth/publication/405957/en>

2001

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[DOSTÁL, Otto](#), Miloslav FILKA and [Karel SLAVÍČEK](#). MPLS in Practise - The New Backbone of NREN. In *TELECOMMUNICATIONS AND SIGNAL PROCESSING - TSP 2001*. Brno: UTKO VUT ,ESS, 2001. p. 49-52. ISBN 80-214-1962-8.

Name in Czech: MPLS v praxi

RIV/00216224:14610/01:00021127 Proceedings paper. Use of computers, robotics and its application. English. Czech Republic.

Dostál, Otto (203 Czech Republic) -- Filka, Miloslav (203 Czech Republic) --

Slaviček, Karel (203 Czech Republic, guarantor)

Keywords in English: Czech national research network; Backbone; MPLS

Changed by: doc. Mgr. Karel Slaviček, Ph.D., učo 1158. Changed: 8/1/2008 10:04.

More: <https://is.muni.cz/auth/publication/368532/en>

1999

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[DOSTÁL, Otto](#), Miloslav FILKA, [Karel SLAVÍČEK](#) and Karol MOLNÁR. Experimental PABXs traffic in ATM networks. In *Sborník mez. konference COFAX*. Bratislava: DT Bratislava, 1999. p. 57-60. ISBN 80-233-0429-1.

Name in Czech: Experimentální ústřednový provoz v ATM síti

RIV/00216224:14610/99:00021108 Proceedings paper. Use of computers, robotics and its application. English. Slovakia.

Dostál, Otto (203 Czech Republic) -- Filka, Miloslav (203 Czech Republic) -- Slaviček, Karel (203 Czech Republic, guarantor) -- Molnár, Karol (203 Czech Republic)

Keywords in English: PABX; traffic

Changed by: doc. Mgr. Karel Slaviček, Ph.D., učo 1158. Changed: 8/1/2008 10:12.

More: <https://is.muni.cz/auth/publication/251734/en>

85. [Videoconference using ATM in medicine](#)

[DOSTÁL, Otto](#), Miloslav FILKA and [Karel SLAVÍČEK](#). Videoconference using ATM in medicine. In *Telecommunications and Signal Processing TSP 99*. Brno: FEI VUT BRNO, 1999. p. 195-197. ISBN 80-214-1154-6.

Name in Czech: ATM videokonference v medicíně

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

Dostál, Otto (203 Czech Republic) -- Filka, Miloslav (203 Czech Republic) --

Slaviček, Karel (203 Czech Republic, guarantor)

Keywords in English: ATM technology; medicine

International impact: yes

Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/4/2010 12:07.

More: <https://is.muni.cz/auth/publication/251711/en>

1998

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FILKA, Miloslav, [Otto DOSTÁL](#) and [Karel SLAVÍČEK](#). ATM síť Brněnských vysokých škol (ATM network of Brno universities). In *Sborník přednášek celostátní konference s mezinárodní účastí TELEKOMUNIKACE 98*. Brno: VUT Brno, 1998. p. 35-37. ISBN 80-214-1140-6.

Name (in English): ATM network of Brno universities

RIV: Proceedings paper. Use of computers, robotics and its application. Czech. Czech Republic.

Filka, Miloslav (203 Czech Republic) -- Dostál, Otto (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, guarantor)
Keywords in English: ATM; fiber optics
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/4/2010 12:12.

More: <https://is.muni.cz/auth/publication/366229/en>

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[DOSTÁL, Otto](#), Miloslav FILKA and [Karel SLAVÍČEK](#). Brněnská akademická ATM síť (Brno academic ATM network). In *Sborník mez. konference COFAX*. Bratislava: DT Bratislava, 1998. p. 79-82. ISBN 80-233-0405-4.

Name (in English): Brno academic ATM network
RIV/00216224:14610/98:00009787 Proceedings paper. Use of computers, robotics and its application. Czech. Slovakia.
Dostál, Otto (203 Czech Republic) -- Filka, Miloslav (203 Czech Republic) -- Slavíček, Karel (203 Czech Republic, guarantor)
Keywords in English: ATM technology
Changed by: doc. Ing. Otto Dostál, CSc., učo 2535. Changed: 10/4/2010 12:19.

More: <https://is.muni.cz/auth/publication/251691/en>