

- Betrouni, N, Colin, P, Puech, P, Villers, A & Mordon, S 2013, An image guided treatment platform for prostate cancer photodynamic therapy. julkaisussa *2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2013.*, 6609514, Sivut 370-373, Osaka, Japan, 3/07/13. <https://doi.org/10.1109/EMBC.2013.6609514>
- Jeyhani, V, Mahdiani, S, Viik, J, Oksala, N & Vehkaoja, A 2018, A novel technique for analysis of postural information with wearable devices. julkaisussa *2018 IEEE 15th International Conference on Wearable and Implantable Body Sensor Networks, BSN 2018.* IEEE, Sivut 30-33, 1/01/00. <https://doi.org/10.1109/BSN.2018.8329651>
- Rauti, S, Lahtiranta, J, Parisod, H, Hyrynsalmi, S, Salanterä, S, Aromaa, ME, Smed, J & Leppänen, V 2017, 'A Proxy-Based Solution for Asynchronous Telemedical Systems', *International Journal of E-health and Medical Communication*, Vuosikerta. 8, Nro 3, 5, Sivut 70-83. <https://doi.org/10.4018/IJEHMC.2017070105>
- Rasku, J, Ojala, M, Pölönen, RP, Joutsijoki, H, Gizatdinova, Y, Laurikkala, J, Kartasalo, K, Aalto-Setälä, K & Juhola, M 2016, 'A software tool for studying the size and shape of human cardiomyocytes', *Biomedical Signal Processing and Control*, Vuosikerta. 30, Sivut 134-139. <https://doi.org/10.1016/j.bspc.2016.06.011>
- Potapov, I, Järvenpää, M, Åkerblom, M, Raumonen, P & Kaasalainen, M 2017, 'Bayes Forest: A data-intensive generator of morphological tree clones', *GigaScience*, Vuosikerta. 6, Nro 10, gix079. <https://doi.org/10.1093/gigascience/gix079>
- Marcián, P, Narra, N, Borák, L, Chamrad, J & Wolff, J 2019, 'Biomechanical performance of cranial implants with different thicknesses and material properties: A finite element study', *Computers in Biology and Medicine*, Vuosikerta. 109, Sivut 43-52. <https://doi.org/10.1016/j.combiomed.2019.04.016>
- Sun, L, Hu, P, Goh, C, Hamadicharef, B, Ifeachor, E, Barbounakis, I, Zervakis, M, Nurminen, N, Varri, A, Fontanelli, R, Di Bona, S, Guerri, D, La Manna, S, Cerbioni, K, Palanca, E & Starita, A 2006, 'Bioprofiling over Grid for eHealthcare', *STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS*, Vuosikerta. 120, Sivut 205-216.
- Värri, A, Koivuluoma, M & Morvan, C 2000, 'Chapter 3.9-a computer-assisted visual sleep scoring program', *STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS*, Vuosikerta. 78, Sivut 285-297. <https://doi.org/10.3233/978-1-60750-922-6-285>
- Dander, A, Mueller, LAJ, Gallasch, R, Pabinger, S, Emmert-Streib, F, Graber, A & Dehmer, M 2013, '[COMMODE] a large-scale database of molecular descriptors using compounds from PubChem', *Source Code for Biology and Medicine*, Vuosikerta. 8, 22. <https://doi.org/10.1186/1751-0473-8-22>
- Harju, J, Vehkaoja, A, Kumpulainen, P, Campadello, S, Lindroos, V, Yli-Hankala, A & Oksala, N 2018, 'Comparison of non-invasive blood pressure monitoring using modified arterial applanation tonometry with intra-arterial measurement', *Journal of Clinical Monitoring and Computing*, Vuosikerta. 32, Nro 1, Sivut 13-22. <https://doi.org/10.1007/s10877-017-9984-3>
- Anwar, S, Izhar-Ul-Haq, I, Qadir, MU, Ali, I, Razzaq, S, Ahmad, B, Shah, K, Shah, SA & Khan, MT 2017, 'Computer aided diagnosis of acoustic neuroma: A neural network perspective', *JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS*, Vuosikerta. 7, Nro 2, Sivut 371-377. <https://doi.org/10.1166/jmih.2017.2057>
- Silverajan, B, Ocaik, M & Nagel, B 2018, Cybersecurity Attacks and Defences for Unmanned Smart Ships. julkaisussa *Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCoM/SmartData/Blockchain/CIT 2018.* IEEE, Sivut 15-20, Halifax, Kanada, 30/07/18. https://doi.org/10.1109/Cybermatics_2018.2018.00037
- Tarniceriu, A, Harju, J, Vehkaoja, A, Parak, J, Delgado-Gonzalo, R, Renevey, P, Yli-Hankala, A & Korhonen, I 2018, Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery. julkaisussa *2018 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2018.* IEEE, Sivut 133-136, Las Vegas, Yhdysvallat, 4/03/18. <https://doi.org/10.1109/BHI.2018.8333387>

- Halonen, S, Annala, K, Kari, J, Jokinen, S, Lumme, A, Kronström, K & Yli-Hankala, A 2017, 'Detection of spine structures with Bioimpedance Probe (BIP) Needle in clinical lumbar punctures', *Journal of Clinical Monitoring and Computing*, Vuosikerta. 31, Nro 5, Sivut 1065–1072. <https://doi.org/10.1007/s10877-016-9915-8>
- Tripathy, SR, Chakravarty, K & Sinha, A 2018, Eigen Posture Based Fall Risk Assessment System Using Kinect. julkaisussa *40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018*. Vuosikerta. 2018-July, 8513263, IEEE, Sivut 1-4, Honolulu, Yhdysvallat, 18/07/18. <https://doi.org/10.1109/EMBC.2018.8513263>
- Makni, N, Puech, P, Colin, P, Azzouzi, A, Mordon, S & Betrouni, N 2012, 'Elastic image registration for guiding focal laser ablation of prostate cancer: Preliminary results', *Computer Methods and Programs in Biomedicine*, Vuosikerta. 108, Nro 1, Sivut 213-223. <https://doi.org/10.1016/j.cmpb.2012.04.001>
- Li, S, Bariah, L, Muhaidat, S, Sofotasios, P, Liang, J & Wang, A 2019, Error analysis of NOMA-based user cooperation with SWIPT. julkaisussa *Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019*. IEEE, Sivut 507-513, Santorini Island, Kreikka, 29/05/19. <https://doi.org/10.1109/DCOSS.2019.00098>
- Honka, AM, Helander, E, Pavel, M, Jimison, H, Mustonen, P, Korhonen, I & Ermes, M 2019, 'Exploring associations between the self-reported values, well-being, and health behaviors of finnish citizens: Cross-sectional analysis of more than 100,000 web-survey responses', *Journal of Medical Internet Research*, Vuosikerta. 21, Nro 4, e12170. <https://doi.org/10.2196/12170>
- Amato, G, Falchi, F, Gennaro, C, Massoli, FV, Passalis, N, Tefas, A, Trivilini, A & Vairo, C 2019, Face verification and recognition for digital forensics and information security. julkaisussa A Varol, M Karabatak, C Varol & S Teke (toim), *7th International Symposium on Digital Forensics and Security, ISDFS 2019*. IEEE, Barcelos, Portugali, 10/06/19. <https://doi.org/10.1109/ISDFS.2019.8757511>
- Ilves, M, Rantanen, V, Venesvirta, H, Lylykangas, J, Vehkaoja, A, Mäkelä, E, Verho, J, Lekkala, J, Rautiainen, M & Surakka, V 2020, 'Functional electrical stimulation for facial pacing: Effects of waveforms on movement intensity and ratings of discomfort', *Biomedical Signal Processing and Control*, Vuosikerta. 60, 101992. <https://doi.org/10.1016/j.bspc.2020.101992>
- Pirhonen, M & Vehkaoja, A 2020, 'Fusion enhancement for tracking of respiratory rate through intrinsic mode functions in photoplethysmography', *Biomedical Signal Processing and Control*, Vuosikerta. 59, 101887. <https://doi.org/10.1016/j.bspc.2020.101887>
- Heikkinen, JE, Gafurov, S, Kopylov, S, Minav, T, Grebennikov, S & Kurbanov, A 2019, Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. julkaisussa D Al-Jumeily, J Hind, J Mustafina, A Al-Hajj, A Hussain, E Magid & H Tawfik (toim), *Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019*, 9073320, International Conference on Developments in eSystems Engineering, DeSE, IEEE, Sivut 906-911, Kazan, Venäjä, 7/10/19. <https://doi.org/10.1109/DeSE.2019.00168>
- Jauhiainen, M, Puustinen, J, Mehrang, S, Ruokolainen, J, Holm, A, Vehkaoja, A & Nieminen, H 2019, 'Identification of motor symptoms related to Parkinson disease using motion-tracking sensors at home (KÄVELI): Protocol for an observational case-control study', *Journal of Medical Internet Research*, Vuosikerta. 21, Nro 3, e12808. <https://doi.org/10.2196/12808>
- Mehrang, S, Jauhiainen, M, Pietilä, J, Puustinen, J, Ruokolainen, J & Nieminen, H 2018, Identification of Parkinson's Disease Utilizing a Single Self-recorded 20-step Walking Test Acquired by Smartphone's Inertial Measurement Unit. julkaisussa *40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018*. Vuosikerta. 2018-July, 8512921, Institute of Electrical and Electronics Engineers Inc., Sivut 2913-2916, 18/07/18. <https://doi.org/10.1109/EMBC.2018.8512921>

Kaipio, J, Stenhammar, H, Immonen, S, Litovuori, L, Axelsson, M, Lantto, M & Lahdenne, P 2018, Improving hospital services based on patient experience data: Current feedback practices and future opportunities. julkaisussa *Building Continents of Knowledge in Oceans of Data: The Future of Co-Created eHealth - Proceedings of MIE 2018*. Studies in Health Technology and Informatics, Vuosikerta. 247, IOS Press, Sivut 266-270, 24/04/18. <https://doi.org/10.3233/978-1-61499-852-5-266>

Liuhanen, S, Sallisalminen, M, Pettilä, V, Oksala, N & Tenhunen, J 2013, 'Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ', *Computer Methods and Programs in Biomedicine*, Vuosikerta. 110, Nro 1, Sivut 38-47. <https://doi.org/10.1016/j.cmpb.2012.10.019>

Ahtinen, A, Mattila, E, Väikkänen, P, Kaipainen, K, Vanhala, T, Ermes, M, Sairanen, E, Myllymäki, T & Lappalainen, R 2013, 'Mobile mental wellness training for stress management: Feasibility and design implications based on a one-month field study', *Journal of Medical Internet Research*, Vuosikerta. 15, Nro 7, e11. <https://doi.org/10.2196/mhealth.2596>

Ruokolainen, J 2017, Mobile Microservice Architecture for Patients Self-Care. julkaisussa *The Practice of Patient Centered Care: Empowering and Engaging Patients in the Digital Era*. Studies in Health Technology and Informatics, Vuosikerta. 244, IOS Press, Sivut 106, 1/01/00. <https://doi.org/10.3233/978-1-61499-824-2-106>

De Matos Simoes, R, Mitsiades, C, Williamson, KE & Emmert-Streib, F 2015, Network signatures based on gene pair expression ratios improve classification and the analysis of muscle-invasive urothelial cancer. julkaisussa *2015 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)*. IEEE, Sivut 1216-1223, Yhdysvallat, 1/01/15. <https://doi.org/10.1109/BIBM.2015.7359855>

Juhola, M, Joutsijoki, H, Varpa, K, Saarikoski, J, Rasku, J, Iltanen, K, Laurikkala, J, Hyyro, H, Avalos-Salguero, J, Siirtola, H, Penttinen, K & Aalto-Setälä, K 2014, On computation of calcium cycling anomalies in cardiomyocytes data. julkaisussa *2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014.*, 6943872, Institute of Electrical and Electronics Engineers Inc., Sivut 1444-1447, Chicago, Yhdysvallat, 26/08/14. <https://doi.org/10.1109/EMBC.2014.6943872>

Pertuz, S, Torres, GF, Tamimi, R & Kämäräinen, J 2019, Open framework for mammography-based breast cancer risk assessment. julkaisussa *2019 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2019 - Proceedings*. IEEE, Chicago, Yhdysvallat, 19/05/19. <https://doi.org/10.1109/BHI.2019.8834599>

Rostami, S, Lagen, S, Costa, M, Dini, P & Valkama, M 2019, Optimized wake-up scheme with bounded delay for energy-efficient MTC. julkaisussa *2019 IEEE Global Communications Conference, GLOBECOM 2019 - Proceedings.*, 9013534, IEEE, Waikoloa, Yhdysvallat, 9/12/19. <https://doi.org/10.1109/GLOBECOM38437.2019.9013534>

Genocchi, B, Cunha, A, Jain, S, Hyttinen, J, Lenk, K & Ellingsrud, AJ 2020, Parametric exploration of cellular swelling in a computational model of cortical spreading depression. julkaisussa *42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society: Enabling Innovative Technologies for Global Healthcare, EMBC 2020*. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Vuosikerta. 2020-July, IEEE, Sivut 2491-2495, Montreal, Kanada, 20/07/20. <https://doi.org/10.1109/EMBC44109.2020.9175306>

Gerasimenko, M, Pokorny, J, Schneider, T, Sirjov, J, Andreev, S & Hosek, J 2019, Prototyping directional UAV-based wireless access and backhaul systems. julkaisussa *2019 IEEE Global Communications Conference, GLOBECOM 2019 - Proceedings.*, 9014228, IEEE, Waikoloa, Yhdysvallat, 9/12/19. <https://doi.org/10.1109/GLOBECOM38437.2019.9014228>

Habib, M, Rasheed, S, Hussain, A & Ali, M 2016, Random Value Impulse Noise Removal Based on Most Similar Neighbors. julkaisussa *2015 13th International Conference on Frontiers of Information Technology (FIT)*. IEEE, Sivut 329-333, 1/01/00. <https://doi.org/10.1109/FIT.2015.64>

De Oliveira, MT, Michalas, A, Groot, AED, Marquering, HA & Olabarriaga, SD 2019, Red Alert: Break-Glass Protocol to Access Encrypted Medical Records in the Cloud. julkaisussa *2019 IEEE International Conference on E-Health Networking, Application and Services, HealthCom 2019.*, 9009598, IEEE, Bogota, Kolumbia, 14/10/19. <https://doi.org/10.1109/HealthCom46333.2019.9009598>

Baino, F, Barberi, J, Fiume, E, Orlygsson, G, Massera, J & Verné, E 2019, 'Robocasting of Bioactive SiO₂-P₂O₅-CaO-MgO-Na₂O-K₂O Glass Scaffolds', *Journal of Healthcare Engineering*, Vuosikerta. 2019, 5153136. <https://doi.org/10.1155/2019/5153136>

Kolehmainen, A 2018, Secure Firmware Updates for IoT: A Survey. julkaisussa *Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCoM/SmartData/Blockchain/CIT 2018*. IEEE, Sivut 112-117, Halifax, Kanada, 30/07/18. https://doi.org/10.1109/Cybermatics_2018.2018.00051

Michalas, A, Paladi, N & Gehrman, C 2015, Security aspects of e-Health systems migration to the cloud. julkaisussa *2014 IEEE 16th International Conference on e-Health Networking, Applications and Services, Healthcom 2014.*, 7001843, Institute of Electrical and Electronics Engineers Inc., Sivut 212-218, Natal, Brasilia, 15/10/14. <https://doi.org/10.1109/HealthCom.2014.7001843>

Joutsijoki, H, Penttinen, K, Juhola, M & Aalto-Setälä, K 2019, 'Separation of HCM and LQT Cardiac Diseases with Machine Learning of Ca²⁺ Transient Profiles', *Methods of Information in Medicine*, Vuosikerta. 58, Nro 4-5, Sivut 167-178. <https://doi.org/10.1055/s-0040-1701484>

Magazinik, A, Bedolla, JS, Lasheras, NC & Mäkinen, S 2019, Societal impact as Cost-Benefit Analysis: Comparative analysis of two research infrastructures. julkaisussa *2019 IEEE International Conference on Engineering, Technology and Innovation, ICE/ITMC 2019*. IEEE, Valbonne Sophia-Antipolis, Ranska, 17/06/19. <https://doi.org/10.1109/ICE.2019.8792600>

Tarniceriu, A, Harju, J, Yousefi, ZR, Vehkaoja, A, Parak, J, Yli-Hankala, A & Korhonen, I 2018, The Accuracy of Atrial Fibrillation Detection from Wrist Photoplethysmography. A Study on Post-Operative Patients. julkaisussa *40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018*. Vuosikerta. 2018-July, 8513197, IEEE, Sivut 4844-4847, 18/07/18. <https://doi.org/10.1109/EMBC.2018.8513197>

Värri, A, Tiainen, M, Rajalahti, E, Kinnunen, UM, Saarni, L & Ahonen, O 2020, The Definition of Informatics Competencies in Finnish Healthcare and Social Welfare Education. julkaisussa *Digital Personalized Health and Medicine: Proceedings of MIE 2020*. Studies in Health Technology and Informatics, Vuosikerta. 270, IOP Press, Sivut 1143-1147, 1/04/20. <https://doi.org/10.3233/SHTI200341>

Värri, A, Kallonen, A, Helander, E, Ledesma Figueroa, A & Pladys, P 2018, 'The Digi-NewB project for preterm infant sepsis risk and maturity analysis', *Finnish Journal of eHealth and eWelfare*, Vuosikerta. 10, Nro 2-3, Sivut 330-333. <https://doi.org/10.23996/fjhw.69152>

Peltokangas, M, Suominen, V, Vakhitov, D, Verho, J, Korhonen, J, Lekkala, J, Vehkaoja, A & Oksala, N 2018, 'The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features', *Computers in Biology and Medicine*, Vuosikerta. 96, Sivut 274-282. <https://doi.org/10.1016/j.combiomed.2018.04.003>

Verscheure, L, Peyrodie, L, Dewalle, AS, Reyns, N, Betrouni, N, Mordon, S & Vermandel, M 2013, 'Three-dimensional skeletonization and symbolic description in vascular imaging: Preliminary results', *INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY*, Vuosikerta. 8, Nro 2, Sivut 233-246. <https://doi.org/10.1007/s11548-012-0784-4>

Serra, A, Fratello, M, Del Giudice, G, Saarimäki, LA, Paci, M, Federico, A & Greco, D 2020, 'TinderMIX: Time-dose integrated modelling of toxicogenomics data', *GigaScience*, Vuosikerta. 9, Nro 5. <https://doi.org/10.1093/gigascience/giaa055>

Sintonen, S, Mäkelä, K & Miettinen, R 2015, 'User acceptance of electronic health records: A post-implementation study', *International Journal of Healthcare Technology and Management*, Vuosikerta. 15, Nro 2, Sivut 162-175. <https://doi.org/10.1504/IJHTM.2015.074556>

Vaz, P, Pereira, T, Figueiras, E, Correia, C, Humeau-Heurtier, A & Cardoso, J 2016, 'Which wavelength is the best for arterial pulse waveform extraction using laser speckle imaging?', *Biomedical Signal Processing and Control*, Vuosikerta. 25, Sivut 188-195. <https://doi.org/10.1016/j.bspc.2015.11.013>