

University of Groningen

Human-computer interaction in radiology

Jorritsma, Wiard

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:

2016

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Jorritsma, W. (2016). *Human-computer interaction in radiology*. Rijksuniversiteit Groningen.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

List of publications

Journal articles

- Jorritsma, W., Cnossen, F., Dierckx, R.A., Oudkerk, M., & Van Ooijen, P.M.A. (2016). Pattern mining of user interaction logs for a post-deployment usability evaluation of a radiology PACS client, *International Journal of Medical Informatics*, 85, 36–42.
- Jorritsma, W., Cnossen, F., Dierckx, R.A., Oudkerk, M., & Van Ooijen, P.M.A. (2016). Post-deployment usability evaluation of a radiology workstation, *International Journal of Medical Informatics*, 85, 28–35.
- Jorritsma, W., Prins, J.T., & Van Ooijen, P.M.A. (2015). Comparing four touch-based interaction techniques for an image-based audience response system, *International Journal of Human-Computer Interaction*, 31, 440–450.
- Jorritsma, W., Cnossen, F., & Van Ooijen, P.M.A. (2015). Adaptive support for user interface customization: a study in radiology, *International Journal of Human-Computer Studies*, 77, 1–9.
- Jorritsma, W., Cnossen, F., & Van Ooijen, P.M.A. (2015). Improving the radiologist-CAD interaction: designing for appropriate trust, *Clinical Radiology*, 70, 115–122.
- Jorritsma, W., Cnossen, F., & Van Ooijen, P.M.A. (2014). Merits of usability testing for PACS selection, *International Journal of Medical Informatics*, 83, 27–36.

Conference contributions

- Jorritsma, W., Haga, P., Cnossen, F., Dierckx, R.A., Oudkerk, M., & Van Ooijen, P.M.A. (2015). Predicting human performance differences on multiple interface alternatives: KLM, GOMS and CogTool are unreliable, *Proceedings of the 6th International Conference on Applied Human Factors and Ergonomics and the Affiliated Conferences*, Las Vegas, NV, pp. 3725–3731.
- Jorritsma, W., Cnossen, F., Dierckx, R.A., Oudkerk, M., & Van Ooijen, P.M.A. (2015). Post-deployment usability evaluation of a radiology workstation, *6th International Conference on Applied Human Factors and Ergonomics and the Affiliated Conferences*, Las Vegas, NV.
- Jorritsma, W., Cnossen, F., Dierckx, R.A., Oudkerk, M., & Van Ooijen, P.M.A. (2015). Pattern mining of user interaction log data for a post-deployment PACS usability evaluation, *Computer Assisted Radiology and Surgery: 29th International Congress and Exhibition*, Barcelona, Spain.
- Timmerman, J., Jorritsma, W., Cnossen, F., Bongaerts, A.H.H., Dierckx, R.A., Oudkerk, M., & Van Ooijen, P.M.A. (2015). Automatically converting free-text radiology reports into structured reports using a machine learning algorithm, *Computer Assisted Radiology and Surgery: 29th International Congress and Exhibition*, Barcelona, Spain.
- Jorritsma, W., Prins, J.T., & Van Ooijen, P.M.A. (2014). Touch-based interaction techniques for a radiological image-based audience response system, *European Society of Medical Imaging Informatics: Annual Meeting and Academy Course*, Warsaw, Poland.
- Prins, J.T., Jorritsma, W., & Van Ooijen, P.M.A. (2014). I2Vote 2.0 - An image-based voting system in a Bring Your Own Device environment, *European Society of Medical Imaging Informatics: Annual Meeting and Academy Course*, Warsaw, Poland.

- Stuy, S., Jorritsma, W., & Van Ooijen, P.M.A. (2014). Performance evaluation of gesture based selection strategies using Kinect, *European Society of Medical Imaging Informatics: Annual Meeting and Academy Course*, Warsaw, Poland.
- Jorritsma, W., Cnossen, F., & Van Ooijen, P. (2014). Improving the radiologist-CAD interaction: designing for appropriate trust, *Computer Assisted Radiology and Surgery: 28th International Congress and Exhibition*, Fukuoka, Japan.
- Jorritsma, W., Cnossen, F., & Van Ooijen, P. (2014). Human-computer interaction in radiology: on usability evaluation and intelligent interface agents, *Computer Assisted Radiology and Surgery: 28th International Congress and Exhibition*, Fukuoka, Japan.
- Jorritsma, W., Cnossen, F., & Van Ooijen, P. (2014). Adaptive support for PACS interface customization, *European Congress of Radiology*, Vienna, Austria.
- Jorritsma, W., Cnossen, F., Ten Bhömer, P., & Van Ooijen, P. (2013). Definition of prototypical tasks in radiology review as a prelude to PACS usability assessment. *Computer Assisted Radiology and Surgery: 27th International Congress and Exhibition*, Heidelberg, Germany.

Non peer-reviewed articles

- Jorritsma, W. (2015). Designing CAD systems for appropriate trust, *Diagnostic Imaging Europe*, 31(2), 18–20.