PUBLICATIELIJST 2020 SMART SENSOR SYSTEMS

Artikelen in tijdschriften (peer reviewed)

Bolte, J. (2020). Smart industrial safety and worker health: wearables in the workplace. *Tijdschrift voor Human Factors* 45(4), 18-19. Invited.

Fraanje, R., Beltman, R., **Theinert**, F., Van Osch, M., Punter, T. & **Bolte**, J. (2020). Sensor fusion of odometer, compass and beacon distance for mobile robots. *International Journal of Artificial Intelligence and Machine Learning (IJAIML)* 10(1): 1-17. www.doi.org/10.4018/IJAIML.2020010101.

Stege, T., **Bolte**, J., Claassen, L. & Timmermans, D. (2020). Electromagnetic field exposure in power plants: A qualitative assessment of work safety perceptions among employees. *Journal of Risk Research* 23(12): 1650-1660. https://doi.org/10.1080/13669877.2020.1750459.

Theinert, F., Evaluation of Low-Cost Medium Range Proximity Sensors, HHS Internal report, Oct. 26, 2020 (niet peer-reviewed).

Ton B., Basten, R., **Bolte**, J., Braaksma, J., Di Bucchianico, A., Van de Calseyde, P., Grooteman, F., Heskes, T., Jansen, N., Teeuw, W., Tinga, T. & Stoelinga, M. (2020). PrimaVera: Synergising Predictive Maintenance. *Applied Sciences* 10(23): 8348 (19 pages). https://doi.org/10.3390/app10238348.

Proceedings

Bolte, J. (2020)**.** Smart industrial safety and worker health – wearables in the workplace. Human Factors NL Annual Conference 2020: Zoom in - Zoom out, Delft - online 2-6 Nov 2020. Invited. **https://www.youtube.com/watch?v=_Cjy8NpUmSM&feature=youtu.be.**

Bolte, J., **Alipour**, A., **Arntzen**, L., **Fraanje**, R., **Hilckmann**, B., **Jansen**, A., **Lambers**, J., **Land**, D., **Muhammad,** W., **Seiffers**, J. & **Theinert**, F. (2020). Prevention by prediction – Smart Sensors Systems-THUAS, CBS Big Data seminar series – May 26, 2020, online seminar Statistics Netherlands. Invited.

Colussi, L., Kamer, J. & **Bolte**, J. (2020). Measurements of 5G NR base stations in the Netherlands. Workshop on 5G and EMF exposure, International Technical Workshop on 5G and EMF Exposure, Agence Nationale des Fréquences (ANFR), Paris, February 5, 2020.

Colussi, L., **Bolte**, J. & Kamer, J. (2020). Measurement of 5G NR base stations in the Netherlands using different measurement devices and methods. BioEM2020, Annual Joint Meeting of The Bioelectromagnetics Society and the European BioElectromagnetics Association, Oxford, UK, Jun 21 - 26, 2020 – abstract accepted – BioEM2020 was cancelled due to COVID-19 – abstractbook was published.

Fraanje, R. (2020). Service Robots for Agro, Health and Industry — examples of technological practice oriented research, Lunchlezing HHS kenniscentrum Digital Operations and Finance, 30 January 2020.

Umans, L., **Theinert**, J., Schouten, B., Gijssel, M. & **Bolte**, J. (2020). Measurement vest for environmental exposures and stressors and related bodily responses at the workplace. In Workshop EU Data Protection Rules: Limiting or facilitating the application of wearables at work and in patient care? Stefania Marassi and Dr. Eva Maria Foldes. CREUVENT, 27 January 2020, The Hague, The Netherlands.

Umans, L., **Theinert**, J., Gijssel, M., Schouten, B. & **Bolte** J. (2020). Wearables at the Workplace. CBS Big Data seminar series – 30 April 2020, online seminar Statistics Netherlands. Invited.

Umans, L., **Theinert**, J., Schouten, B. & **Bolte,** J. (2020). Sensor measurements for living and working

conditions. BigSurv20 – Big Data meets survey science, 2nd Biannual Conference – online Fridays 6 November – 4 December 2020.

Publicaties in populaire/sociale media

Pomp.nl (2020). Interview John **Bolte** door ing. Marjolein De Wit-Blok. Het loopt weer als gesmeerd, met kader over PrimaVera, – *Pomp.nl* 2020-2.

TIM (2020). Smeerolie beschouwd als asset – HHS Symposium Het loopt als gesmeerd – in kader: "PrimaVera-project". Interview John **Bolte** door ing. Marjolein De Wit-Blok – nr. 2002. *Total Industrial Maintenance (TIM)*, juni 2020-02, pp9 –11.

LearningLab Urbinn - Urban Innovations, The Customized Last Mile – www.urbinn.nl.

Smart Sensor Systems research group at The Hague University of Applied Sciences / lectoraat Smart Sensor Systems van De Haagse Hogeschool - https://www.dehaagsehogeschool.nl/onderzoek/lectoraten/details/smart-sensor-systems.

Presentations SYM.BE: permanent exhibition in THUAS Betafactory The Hague – a 3D digital system, a digital twin,of the city (Central Innovation District of The Hague) for testing design principles, testing and physically redesigning of outdoor space and influence on environmental quality, safety. The systems combines 3D printed buildings with projected ArcGIS layers.

Rapporten gericht op beroepspraktijk en maatschappij

Stam, R., **Bolte**, J., Pruppers, M., Robijns, J., Kamer, J. & Colussi, L. (2020). Verkenning van de blootstelling aan elektromagnetische velden afkomstig van 5G-systemen. Small cells en massive MIMO [*Exploration of the exposure to electromagnetic fields from 5G systems. Small cells and massive MIMO*] National Institute for Public Health and the Environment (RIVM), RIVM-rapport 2019-0214. https://www.rivm.nl/bibliotheek/rapporten/2019-0214.pdf.