

Publicatieoverzicht 2022 Smart Sensor Systems

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- Deprez, K., Verloock, L., Colussi L., **Aerts S.**, Van den Bossche, M., Kamer, J., **Bolte, J.**, Martens, L., Plets, D. en Joseph W. (2022). In-situ 5G NR base station exposure of the general public: comparison of assessment, *Radiation Protection Dosimetry*, 12 pp. Available online 3 May 2022, <https://doi.org/10.1093/rpd/ncac061>.
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- **Korkmaz, E.**, **Littel, S.** en **Bolte J.** (2022). Development of a low cost sensor network for measurement of 5G-signals in the Netherlands. 1st Annual Meeting of BioEM, 19-24 June, 2022, Aichi Industry and Labor Center (WINC AICHI), Nagoya, Japan, PA 35.
- **Prinz, J.**, Van Dijk, A., Siegersma, D., Van Putten, E., Verhagen, G., Vonk J., Brouwer M. en **Bolte J.** (2022). Horizon Shielding Factor: A Measure to Assess UV Exposure in Different Microenvironments. Exposome & Preventive health: Tackling Complexity. [Exposome-NL 2022](https://www.exposome-nl.nl/), 20 May 2022, Utrecht.
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- Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO), 2022 – John **Bolte** geïnterviewd over sensorvest en app voor COPD-patiënten in: *Meten en Detecteren* pp 16-18, in: [Acht Startimpuls-projecten vormden de opmaat naar de Nationale Wetenschapsagenda \(NWA\)](#). NWO, Den Haag / Utrecht, Maart 2022.

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- Goegebeur, S., **Aerts**, S., Stroobandt, B., Van Bladel, H., Deprez, K., Verloock, L. & Joseph, W. (2023, 18-23 juni). [*Modeling RF-EMF exposure in urban environments for 5G frequencies*](#)

[student paper]. 2nd Annual Meeting of BioEM, Mathematical Institute, University of Oxford, Oxford.

- Stroobandt, B., Van Bladel, H., Goegebeur, S., **Aerts**, S., Deprez, K., Velghe, M., Verloock, L., Fernandes Veludo, A., Rösli, M., Guxens, M. & Joseph, W. (2023, 18-23 juni). [Assessment of 4G and 5G uplink exposure measured with three devices in different microenvironments in the city of Ghent](#) [student paper]. 2nd Annual Meeting of BioEM, Mathematical Institute, University of Oxford, Oxford.
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- **Arntzen**, L., **Boesten**, D., Wyder, U., Bernards, J., Sberna, P., Stallone, F., Aydogmus, H., Nieuwland, R., Van der Hoek, M., Van Zeijl, H., Schreuder, J., Van Liere, G. & **Bolte**, J. (2023, 24-28 april). [MRI-Compatible Cascaded Blood Pressure Microsensor](#) [paperpresentatie]. The Eighth International Conference on Advances in Sensors, Actuators, Metering and Sensing ALLSENSORS 2023, Venetië. [IARIA Best Paper Award](#).
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- **Bolte**, J., **Aerts**, S., **Korkmaz**, E., **Land**, D., **Littel**, S., **Theinert**, J., Pruppers, M., Velghe, M., Colussi, L., Coesoij, R., Gottmer, L., Spirito, M., NextGEM-team (2023, 27 september).

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- **Garcia Fernandez, F.** (2023, 24-28 september). [Intelligent Transportation Systems Conference](#) [voorzitterschap congres], Bilbao.
- Saffre, F., Karvonen, H. & **Hildmann, H.** (2023, 8 november). *Cooperative Exploration Strategies for a Swarm of Autonomous Robots with Limited Communication.* [Finnish AI Day 2023](#), Dipoli, Aalto University, Espoo.
- **Korkmaz, E., Littel, S., Spirito M. & Bolte, J.** (2023, 18-23 juni). A Low-cost EMF Field Sensor for 5G EMF Exposure Measurements. *Evaluation of Low-cost 5G Electromagnetic Field Sensors: calibration and comparison.* 2nd Annual Meeting of BioEM, Mathematical Institute, University of Oxford, Oxford.
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- **Korkmaz, E., Littel, S., Spirito, M. & Bolte, J.** (2023, 27-31 augustus). [A Low-cost Sensor Node for RF-EMF Exposure in 5G Networks Based on Requirements Identified in Horizon Europe NextGEM Project](#) [posterpresentatie]. Annual Conference of the International Society of Exposure Science (ISES), Chicago.
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- **Marassi S.** (2023, 14 februari). *Charting Wearable Sensors Device in the Workplace: State of the Art and Legal Challenges* [presentatie]. [Future of Work: working with and through digital technology](#), ETUI (European Trade Union Institute), Brussel.
- **Marassi, S.** (2023, 8-10 juni). *Wearables at work to protect workers' health, safety and well-being: legal challenges.* [presentatie]. [Expertmeeting EALCJ](#) (European Association of Labour Court Judges, Annual Conference, Leiden.
- **Marassi, S.** (2023, 19 juni). *Deployment of in-body wearable devices in healthcare and at the workplace: tackling the regulatory challenges in the EU* [presentatie]. [Symposium Health and Genetic Data: Legal, Governance and Administrative Transformations](#), Nordic Permed Law, online.
- **Marassi, S.** (2023, 27 juni). *Wearable devices to keep road transport workers safe: possibilities and legal challenges* [panelsessie]. [LLRN6](#), Warschau.
- **Marassi, S.** (2023, 13 juli). *Wearables@Work for OSH: Opportunities and Legal Challenges.* [presentatie]. [FIFPRO](#) (International Federation of Professional Footballers) PIQ Tech Webinar 2 – Managing Workplace Technology, online.
- **Marassi, S.** (2023, 5-6 september). *Wearables at work for OSH: Opportunities and Legal Challenges* [panelsessie]. [3rd International Conference in Commemoration of Roger Blanpain "The meaning of work"](#), KU Leuven, Leuven.
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- **Aerts**, S. & **Korkmaz**, E. (2023, 20 december). [Retrospect: measuring 5G properties](#). *LinkedIn DoloT Field Lab*. Geraadpleegd op 9 februari 2023.
- **Bolte**, J. (2023, 23 februari). Interview autonome robots. *Editie NL*, RTL4. Geraadpleegd op 9 februari 2024.
- Van den Berg, S., **Bolte**, J. & Joosten-Ma, H. (2023, 15 maart). [Met de ontdekking van de Melanopsin-receptor ligt een heel onderzoeksveld open](#). www.dehaagsehogeschool.nl
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- **Bolte**, J., **Aerts**, S. and GeGoGe team (2024). Gewasgroei Goed Gemeten (GeGoGe) – Crop Growth Well Measured. Horizons Unveiled: Meet & Greet Embassadors and Partners, April 22, 2024, Tomatoworld, Honselersdijk (Westland), The Netherlands. **Invited**.
- Van Keeken, A., Van den Heuvel, M., **Hildmann**, H., Elenbaas, H., Veltman, H., Papp, De Hartog, C. & Janssen, J. (2024). An improved IMMENS framework to handle conflicting temporal plans in maritime environments. IEEE OCEANS 2024, AI in Ocean Science & Technology, Singapore, April 14-18, 2024.
- Fransen, R., Onverwagt, H. & **Hildmann**, H. (2024). Autonomous Systems for Security and Defence, Self-organizing control for unmanned ground vehicles. SPIE Security + Defense, Edinburgh, UK, September 16-19, 2024.
- Mohamoud, A., Van de Pol, J., **Hildmann**, H., Van Heijster, R., Masini, B., Van den Heuvel, M. & Van Keeken, A. (2024). Autonomous Systems for Security and Defence, Verification and performance evaluation for commercial DTI solutions to counter UAS threats. SPIE Security + Defense, Edinburgh, UK, September 16-19, 2024.
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