

# Lavinia Goldermann, M.Sc. RWTH

## Contact



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## Research

As part of my research work, I deal with the data quality of intensive care data. In particular, my focus is on intensive care data that is collected using unobtrusive measurement methods. With the help of AI methods and xAI methods, additional statements about data quality can be made.

## Theses currently supervised

- [Bachelor thesis](#) - Generation of annotated ICU data with AI-based methods
- [Bachelor thesis](#) - Identification of anomaly classes in intensive care time series data by clustering-based analysis

## Teaching

Term	Titel	Type
24 Summer	<a href="#">Praktikum Systemprogrammierung</a>	Practical course
	<a href="#">Proseminar: Grundlagen eingebetteter Systeme</a>	S
	<a href="#">Seminar: Ausgesuchte Themen zur Eingebetteten Software</a>	S
23 Winter	<a href="#">Seminar: Ausgesuchte Themen zur eingebetteten Software</a>	S
	<a href="#">Proseminar: Grundlagen eingebetteter Systeme</a>	S

## Publications

[GRB+24]

PDFBIB

Goldermann, L., Rakel, S., Buglowski, M., Mokhtarian, A., Kampmann, A., Janß, A., Yilmaz, O., Beger, F., Walter, M., Leonhardt, S., Kowalewski, S., and Stollenwerk, A., "Designing the user interface of a ventilator under the constraints of a pandemic", *Automatisierungstechnik*, vol. 72, iss. 5, pp. 484-495, 2024

## Designing the user interface of a ventilator under the constraints of a pandemic

### Bibtex entry :

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@article { GRB+24,
  author = { Goldermann, Lavinia and Rakel, Stefan and Buglowski, Mateusz
    and Mokhtarian, Armin and Kampmann, Alexandru and Jan{\ss}, Armin and Yilmaz, Okan and Beger, Frank and Walter, Marian and Leonhardt, Steffen and Kowalewski, Stefan and Stollenwerk, André },
  title = { Designing the user interface of a ventilator under the constraints of a pandemic },
  journal = { Automatisierungstechnik },
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  reportid = { RWTH-2024-04857 },
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