

Prof. Dr. habil. Thomas Rath



Full Professor Hochschule Osnabrück, University of Applied Sciences, Germany

- BLab - Biosystems Engineering Laboratory, Hochschule Osnabrück
- COALA Network - Competence of Applied Agricultural Engineering, Hochschule Osnabrück
- <http://www.blab-osnabrueck.de/>
- <https://www.hs-osnabrueck.de/de/kompetenzzentrum-coala/coala-team/>

Extraordinary Professor Leibniz Universität Hannover, Germany

- Institute of Horticultural Production Systems, Leibniz Universität Hannover
- Faculty of Natural Sciences, Leibniz Universität Hannover
- <https://www.igps.uni-hannover.de/rath.html>

Contact

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Curriculum Vitae

1987	Diploma (Dipl.-Ing. agr.) Universität Hannover, Germany Topic: Computer Aided Engineering of Irrigation Systems
1992	PhD (Dr. rer. hort.) Universität Hannover, Germany Topic: Horticultural Expertsystem HORTEx
1997	Habilitation (Dr. rer.hort. habil), Leibniz Universität Hannover, Germany Topic: Image Processing for Plant Discrimination
2001-present	Extraordinary Professor Universität Hannover, Germany
2013-present	Full Professor Hochschule Osnabrück – University of Applied Sciences, Germany
2010-2013	Head of the Biosystems Engineering Institute, Leibniz Universität Hannover
2014-present	Head of the Biosystems Engineering Laboratory, Hochschule Osnabrück
2007-2013	Head <i>MARGE Algae-Biotech Working Group</i> , Leibniz University Hannover
2010-2012	President <i>German Society of Horticultural Sciences</i> (DGG)
2010-2018	Board Member <i>German Society of Horticultural Sciences</i> (DGG)
2013-2018	Editor in Chief <i>DGG-Proceedings</i>
2012-present	Coordinator of the <i>WeGa Competence Network</i> , Germany
2013-present	Scientific Advisory Board Member <i>IGZ, Großbeeren</i> , Germany
2014-present	Coordinator <i>Master Studies MSc Agriculture and Food</i> , Hochschule Osnabrück
2015-present	Editorial Board Member of the <i>Journal of Agricultural Engineering</i>
2016-present	Head of the <i>KTBL-Working Group Robotics in Horticulture</i>

Research

Image Processing and Robotics for Plant Production
Advanced Plant Technologies: Lasers and Biophotonics
Greenhouse Technologies and Photobioreactors
Microalgae and Turf Technologies

Lectures

Applied Physics, Biophotonics, Sensors, Automation and Climate Control in Plant Production,
Greenhouse Technologies and Photobioreactors

Publications

https://scholar.google.de/citations?hl=de&user=7hbfytsAAAAJ&view_op=list_works&gmla=AJsN-F7bqeH80aqUNoL01Ft_SNUPsGfHXRTj5GGZjvPkax7gmZZoUuEnYGriRGtfH7HacimMKr8CfP_LCSvAFA9s4aK7YoSRZ_pVhViJU2Wr5PzeANwB1o