Prof. Dr.-Ing. Uwe Handmann

Affiliation: Hochschule Ruhr West - Campus Bottrop, Postfach 10 07 55, 45407 Mülheim an der Ruhr

Education

1988	Abitur
1988-1991	Graduation in Communications Engineering at the University of Applied Sciences in Stuttgart (Dual University of Applied Sciences Baden-Württemberg), Dipl.-Ing. (BA).
1991-1995	Graduation Electrical Engineering (Ruhr-Universität Bochum), Dipl.-Ing.
1995-1996	Research stays at the Fraunhofer Institute IIS-A in Erlangen, at the Institute for Communication Acoustics (Ruhr-Universität Bochum) and at the Leiden University in The Netherlands.
2000	PhD at the Faculty of Electrical Engineering and Information Technology (Ruhr-Universität Bochum), Dr.-Ing.

Industrial / Scientific Experience

1995-2001	Research Assistant at the Department of Theoretical Biology at the Institute for Neuroinformatics (Ruhr-Universität Bochum), Focus: - Neuroinformatics, Artificial Intelligence (AI), - Image Processing, - Video Data Processing, - Driver Assistance Systems and - Sensor Data Fusion.
Since 1995	Responsible for more than 50 transfer and research projects.
Since 1995	Published more than 100 peer-reviewed scientific articles.
1999-2001	Group Leader working group Image Processing (Institute for Neuroinformatics).
2000-2008	Group Leader and Lead Architect Intelligent Systems (L-1 Identity Solutions AG, ZN Vision Technologies AG): - Project groups in research and prototype development. - Transfer of several prototypes into products.
2008-2010	Professor of Computer Science and Media Engineering (Fachhochschule Südwestfalen).
2008-2010	Head of the Laboratory for Computer Science, Image Processing and Media Engineering (Fachhochschule Südwestfalen).
Since 2010	Professor of Neuroinformatics (Hochschule Ruhr West).
Since 2010	Director of the Computer Science Institute (Hochschule Ruhr West).
2012-2014	Vice Dean of Department 1 (Hochschule Ruhr West).
2013	Visiting Professor at the University of Science and Technology, Qingdao, China.
Since 2014	Dean of Department 1 (Hochschule Ruhr West).
Since 2016	Founding Member of the Institute Positive Computing (Hochschule Ruhr West).
2018 -2021	Managing Director - iQServ GmbH.
Since 2020	Founding Member of the Department of Computer- and Data-Science (Promotionskolleg NRW).
Since 2021	Visiting Professor at the Babe-Bolyai-University Cluj, Romania.

Artificial Intelligence Activities

1995-2001	Institute for Neuroinformatics, Ruhr-Universität Bochum, responsible for research projects (Intelligent Vehicles and Autonomous Driving).
2000-2008	L-1 Identity Solutions AG, responsible for research and transfer projects (Biometric Systems).
Since 2008	Research and Teaching (Artificial Intelligence and Computer Vision).
Since 2010	Computer Science Institute, Hochschule Ruhr West, responsible for research projects in the field of Sensor Data Analysis (Intelligent Vehicles, Autonomous Driving, Human-Computer Interaction, Predictive Maintenance and Circular Economy).

Circular Economy Activities

Since 2018	Founding Member and Chairman of Prosperkolleg e.V.
Since 2019	Responsible for the Prosperkolleg Project funded by the Ministry of Economic Affairs, Industry, Climate Action and Energy of the State of North Rhine-Westphalia.
Since 2019	Advisory Board Member of the 'Round Table Circular Economy' in North Rhine-Westphalia.
2020-2021	Responsible for the reWIR Project funded by the Federal Ministry of Education and Research.
2021	Responsible for the Student Program 'Zirkeltraining' in North Rhine-Westphalia.
2022	Advisory Board Member of the Circular Economy Hotspot 2022 Bottrop.

ZdI Network Activities

Since 2012	Scientific Director of the ZdI-Center in Bottrop (Hochschule Ruhr West).
Since 2012	Scientific Director of the Competence Center mint4u (Hochschule Ruhr West).
Since 2018	Scientific Director of the ZdI-Center Oberhausen.
Since 2018	Member of the Strategic Circle of ZdI in North Rhine-Westfalia.

Other Activities

Since 2015	Member of the Board of Trustees of Studienstiftung Grasedieck.
Since 2017	Member of the Advisory Board of 'Umbau 21' in North Rhine-Westfalia.

Research

As a researcher Prof. Dr.-Ing. Uwe Handmann is focusing on Artificial Intelligence, Image- and Video Processing, Driver Assistance Systems and Sensor Data Fusion. He has published more than 100 peer-reviewed scientific articles since 1995. During this time he has applied for or been responsible for more than 50 transfer and research projects.