

CHRISTOPHER HAHNE

PERSONAL INFORMATION

Born in Wernigerode, Germany, 1 July 1987

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WORK EXPERIENCE

trinamiX GmbH 2016–Present Manager, TRINAMIX GMBH — Mannheim, GER
Responsibilities at the BASF spin-off include optical modelling, image signal analysis and software development.
Reference: Dr. rer. nat. Christian LENNARTZ +49 - (0)40 - 5896367-0 · [christian.lennartz \[ät\] trinamix.de](mailto:christian.lennartz[at]trinamix.de)

Arnold & Richter GmbH & Co. KG 2011–2012 Graduant, ARRI, R&D — Munich, GER
Introduction to light field theory by conducting optical calibration methods as well as developing C++ codes to configure a plenoptic camera. Part of the work has been submitted to the SPIE society as a scientific paper and also published in a final year's Bachelor's thesis.
Reference: Dr.-Ing. Johannes STEURER · +49 (0) 89 3809 1871 · [jsteurer \[ät\] arri.de](mailto:jsteurer[at]arri.de)

Rohde & Schwarz GmbH & Co. KG 2011 Intern, ROHDE & SCHWARZ, R&D — Munich, GER
Analysis and evaluation of the HDMI/TMDS protocol on the Data Link, Network and Transport layer which has been performed with "an outstanding willingness to achieve and a high degree of self-reliance as well as enthusiasm".
Reference: Christian ZUEHLCKE +49 (0) 89 41 29 1 32 64 · [christian.zuehlcke \[ät\] rohde-schwarz.com](mailto:christian.zuehlcke[at]rohde-schwarz.com)

EDUCATION

Doctor of Philosophy 2013–2016 University of Bedfordshire — Luton, UK
Computer Science · Department of Computer Science
Research field: *Light Field Photography*
Supervisors: Prof. Dr. Amar AGGOUN & Dr. Vladan VELISAVLJEVIC

Master of Philosophy 2012–2013 Brunel University — London, UK
Computer Science · School of Engineering and Design
Research field: *Light Field Photography*
Supervisors: Dr. Amar AGGOUN & Dr. Emmanuel TSEKLEVES

Bachelor of Science 2008–2012 HAW Hamburg — Hamburg, GER
Media Technology · Faculty of Design, Media and Information
Thesis: *Konfiguration einer digitalen Lichtfeldkamera*
Supervisor: Prof. Dr. Ulrich SCHMIDT

COMPUTER SKILLS

<i>Basic</i>	C/C++, JAVA, PHP, SQL
<i>Intermediate</i>	L ^A T _E X, FPGA Design (VHDL, ISE, Chipscope Analyzer)
<i>Advanced</i>	ZEMAX, PYTHON, MATLAB

OTHER INFORMATION

<i>Project Skills</i>	<p>2015 · Teaching practicals in PROGRAMMING EMBEDDED SYSTEMS at the University of Bedfordshire in Luton, UK</p> <p>2015 · Implementation, design and presentation of a project work commissioned by MORRISON UTILITY SERVICES (UK)</p> <p>2015 · Research student's representative at the INSTITUTE FOR RESEARCH IN APPLICABLE COMPUTING in Luton, UK</p> <p>2014 · Special invitation to give a presentation at the IS&T/SPIE CONFERENCE in San Francisco, California</p>
<i>Publications</i>	<p>C. Hahne, A. Aggoun, V. Velisavljevic, S. Fiebig, and M. Pesch "The refocusing distance of a standard plenoptic camera," <i>Opt. Express</i> 24, 21521-21540 (2016).</p> <p>C. Hahne, A. Aggoun, and V. Velisavljevic, "The refocusing distance of a standard plenoptic photograph," in <i>3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video (3DTV-CON)</i>, (2015). [Invited Paper]</p> <p>C. Hahne, A. Aggoun, S. Haxha, V. Velisavljevic, and J. Fernández, "Light field geometry of a standard plenoptic camera," <i>Opt. Express</i> 22, 26659-26673 (2014).</p> <p>C. Hahne, A. Aggoun, S. Haxha, V. Velisavljevic, and J. C. J. Fernández, "Baseline of virtual cameras acquired by a standard plenoptic camera setup," in <i>3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video (3DTV-CON)</i>, (2014).</p> <p>C. Hahne and A. Aggoun, "Embedded FIR filter design for real-time refocusing using a standard plenoptic video camera," in <i>Digital Photography X</i>, Proc. SPIE 9023, 902305 (2014). [Invited Paper]</p> <p>J. Steurer, M. Pesch and C. Hahne, "3D holoscopic video imaging system," in <i>Human Vision and Electronic Imaging XVII</i>, Proc. SPIE 8291, 829109 (2012).</p>
<i>Languages</i>	<p>ENGLISH · Fluent</p> <p>GERMAN · Mother tongue</p> <p>FRENCH · Basic (simple words and phrases only)</p>

April 29, 2017