

PERSONAL INFORMATION



**Dr. Lukas Gerhold**

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[luke.gerhold@gmail.com](mailto:luke.gerhold@gmail.com)

Date of birth 27.06.1981 | Nationality Austria

Married | One daughter, one son

WORK EXPERIENCE

01.12.2015–present

**Head of Industrial Application Center**

**Head of Edge Computing Team**

**Head of DigiLab**

Siemens Aktiengesellschaft Österreich

Industrial automation, motion control and digitalization solutions

Business development and sales strategies

Business sector: Industry, manufacturing, digitalization

01.09.2013–01.11.2015

**Senior IT- Consultant, Security Auditor and Project Manager**

TÜV AUSTRIA TÜV TRUST IT GmbH, Vienna (Austria)

Consulting –IT processes and standard operating procedures

Auditing – Analysis and assessment of IT processes

Project management – energy management consulting

Business sector: IT, industry, digitalization, enterprise consulting

01.03.2012–01.11.2015

**Trainer at TÜV Austria Academy**

TÜV AUSTRIA AKADEMIE GMBH

Information security (IT risk management, threat modeling)

Functional safety

Business sector: IT, industry, education

01.03.2012–30.06.2013

**System Safety and Reliability Specialist**

FH-Campus Wien

Safe software development, Safety management system

Business sector: Industry, research and development, education

01.08.2011–01.03.2012

**Post Doc at TU-Munich**

TU-Munich - Rechts der Isar Hospital

Software architect

Design and implementation of computer aided processes

Business sector: IT, healthcare, hospital, clinical research

## Curriculum vitae

- 01.08.2010–07.06.2011 **PhD – Student, SW-Architect, Process Analyst**  
Medical University of Vienna  
Doctor thesis: ICT Support for Applying Evidence Based Tele Wound Management in a Distributed Semantic Web Environment  
Design and implementation of medical pathways (workflows) in a formal business process language.  
Automated process engine interpreting medical pathways and patient’s status according to their standardized electronic health record.  
Business sector: IT, healthcare, hospital, clinical research, ELGA
- 01.07.2008–01.08.2010 **IT- Consultant at AKH Medical Directorate and Med. Univ.**  
Institute for Medical Information and Retrieval Systems  
Med. Univ. and AKH Wien  
System architect, business analyst, requirements engineer  
Business sector: IT, healthcare, hospital, clinical research, ELGA
- 01.07.2003–01.04.2008 **Software-, Database- and Smart Solution Developer at Medical University Vienna**  
Medical University of Vienna, Medical Information and Retrieval  
Software and system architect, developer, requirements engineer  
Project management (project AKIM)  
Business sector: IT, healthcare, clinical research
- VOLUNTEERING**
- Member at ThinkTable “Secondary use of health data” (Think Austria at the Federal Chancellory)
- Member at the Health Data Space (think tank at the SV, umbrella association of the Austrian social insurances)
- Cooperation with Siemens Healthineers - definition of sales strategies placing AURA as platform for an “Austrian health data ecosystem”
- Cooperation with “Haus der Digitalisierung” – identification of various digitalization use cases for municipal purposes related to Siemens MO, SI, DI
- Cooperation with Siemens Smart Infrastructures and Aspern Smart City Research – energy contracting of buildings in City Tulln, innovative energy reclamation at the savage plant Tulln
- Cooperation with FEEI and Lobbying at Ministry of Agriculture for private 5G frequencies for industrial use; submission of a statement paper
- Cooperation with DIO (Data Intelligence Offensive), lobbying at Ministry of Economy related to GAYA-X and IOT
- Cooperation with Siemens Technology – development of a GAYA-X circle and IOT for Energy Communities and for automotive logistics within the supply chain
- Building-up: Cooperation with European Liaison Office related to GAYA-X, IOT and Energy Communities
- Member at the Task Force “Digitalization and AI” at the Federation of Austrian Industry (Industriellenvereinigung)
- Member at Europe Forum Wachau – think tank, “IT meets OT”, health data

## Curriculum vitae

### EDUCATION AND TRAINING

- 01.06.2007–01.07.2011 **Doctor of Technical Science**  
Technical University of Vienna, Wien (Austria)  
Distributed systems, self-organizing systems, ontology-based AI  
Medical informatics, electronic health records
- 01.10.1999–01.07.2007 **Master of Technical Science, Dipl. Ing.**  
Technical University of Vienna, Wien (Austria)  
Web-development, cloud-development, database systems  
Informatics, medical informatics
- 2019 **Business Model Transformation**  
Siemens - Erlangen
- 2017-2018 **Sales Management Education Program (SP1)**  
Siemens – Wien, Frankfurt, Berlin
- 2014 **Certified Project Manager - PRINCE2 Foundation**  
Wifi - Wien
- 2014 **Data Privacy Officer (DSG2000)**  
TÜV - Austria
- 2013 **Certified Risk / ISMS Manager and Auditor for ISO 27001**  
TÜV - Austria

### PERSONAL SKILLS & EXPERIENCE

- Mother tongue German
- Other languages English – proficient  
French – independent, basic  
Turkish – basic
- Skills & know-how Comprehensive industry know-how  
Prooven and working network with public stakeholders  
Electronic health records, health cares systems, el. patient journey  
Sales management and sales strategies  
Strategic thinking  
IOT, AI, Cloud and edge computing  
Cyber and information security, IT standards  
Industrial networks and (real-time) operating systems
- Awards and Grants Award: SCENE 2019 - Siemens Cultural Empowerment for New Executives  
Grant: 2010 PhD TU-Vienna funding for high potentials, papers and conferences

## Curriculum vitae

Publications, talks	<p>IV – Federation of Austrian Industries – Digitalization and AI Platform Industry 4.0 – Research, Development &amp; Innovation</p> <p>MR65<sup>1,2</sup> –WG for Int. Standard. of Industrial Control Systems</p> <p>MR65 IACS Security<sup>3</sup> – WG for Security</p> <p>Pub: Review of EU White Paper on AI</p> <p>Pub: Neue Technologien und Security i.d. Automatisierung</p> <p>Pub: Futurezone.at: Cybersecurity in der Industrie</p> <p>Pub: hitech: Plug &amp; Produce soll Fabriken smarter machen</p> <p>Pub.: IOT4 Industry &amp; Business – Interview Industrial Security</p> <p>Pub.: OVE<sup>4</sup> Newsletter, Industrial Security</p> <p>Round table: WKÖ – E-Day, Industrie 4.0, Networks und Security</p> <p>And many more...</p>
Scientific publications	<p>Gerhold L, Tekoglu H, Dorn M, Binder M. An owl based electronic health record system supporting evidence-based medicine. IADIS ICWI 2010 – International WWW Conference</p> <p>Gerhold L, Tekoglu H, Messina LA, Binder M. Evidence based medicine meets electronic health record. CBIS 2010 – Brazilian Congress of Health Informatics</p> <p>Gerhold L, Tekoglu H, Weingast J, Binder M. Dermatrials: an application for implementing telemedical feasibility studies. TeleDerm 2010 – 3rd World Congress of TeleDermatology</p> <p>Gerhold L, Temsch W, Janzek-Hawlat S, Dorn M, Weingast J, Binder M. Advancing quality of health care through ontology-based screen representation. TeleDerm 2010 – 3rd World Congress of TeleDermatology</p> <p>Wiesbauer F, Blessberger H, Azar D, Goliash G, Wagner O, Gerhold L, et al. Familial-combined hyperlipidaemia in very young myocardial infarction survivors (&lt; or =40 years of age). Eur Heart J. 2009 May;30(9):1073-9.</p> <p>Gerhold L. Planung und Realisierung eines webbasierten, medizinischen Informationssystems. Publisher VDM. 2008. ISBN 978-3-639-01955-1.</p> <p>Dorda W, Duftschmid G, Gerhold L, Gall W, Gambal J. Austria's path toward nationwide electronic health records. Methods Inf Med. 2008;47(2):117-23.</p> <p>Dorda W, Duftschmid G, Gerhold L, Gall W, Gambal J. Introducing the electronic health record in Austria. Stud Health Technol Inform. 2005; 116:119-24.</p>
Hobbies	<p>Mountaineering, climbing, hiking</p> <p>Skiing, ice climbing</p> <p>Mountain biking</p> <p>Physics, technology, natural science</p>

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<sup>1</sup> MR65 - national work group (WG) of IEC TC 65 (Technical Committee for Industrial-process measurement, control and automation)

<sup>2</sup> IEC - International Electrotechnical Commission – international standardization

<sup>3</sup> Sub group of MR65 only concerned with Industrial Automation and Control System (IACS) **Security**

<sup>4</sup> OVE – Österreichischer Verband der Elektrotechnik – Austrian Electrotechnical Association