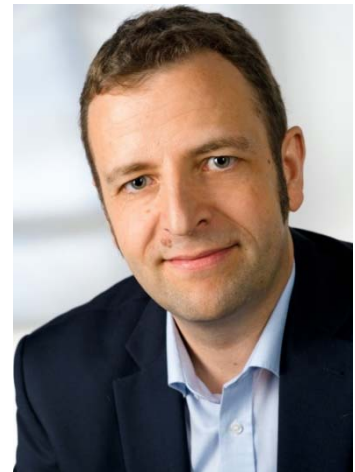


## Curriculum Vitae

Name: Detlef Gerhard  
Academic Degrees: Dipl.-Ing., Dr.-Ing.  
Nationality: German  
Contact Details: Universitätsstr. 150  
44801, Bochum, Germany  
+49 234 32 27009  
detlef.gerhard@rub.de



### **Post-secondary Education:**

1995 **Dipl.-Ing. Mechanical Engineering** (equivalent to MSc. Eng.)  
from University of Paderborn, Germany.  
Examination major: Computer Integrated Production

2000 **Dr.-Ing.** (equivalent to PhD) from Faculty of Mechanical  
Engineering (Information Technology in Mechanical Engineering  
Division) at Ruhr-University of Bochum, Germany

### **Academic Positions:**

Since 04/2019 **Ruhr-University Bochum** - Faculty of Mechanical Engineering  
Full Professor **Digital Engineering** (Chair)

02/2006 – 03/2019 **TU Wien** – Full Professor for Mechanical Engineering Informatics  
and Virtual Product Development (**MIVP Research Group Head**)

2007 - 2011 Head of Faculty Commission for Curricula Development

2008 - 2011 Head of the Institute of Engineering Design and Logistics  
Engineering

2013 - 2018 Dean of the Faculty for Mechanical and Industrial Engineering

### **Main Research Interests:**

Methods and IT tools for information management in multi-  
disciplinary product development and production with special  
focus on knowledge engineering, data analytics and semantics.

### **Affiliations:**

- Honorary Professor of Technical University Cluj-Napoca (RO)
- WiGeP - Wissenschaftliche Gesellschaft für Produktentwicklung (Elected Member of German Scientific Society for Product Development)
- Ö-WGP – Österreichisch Wissenschaftliche Gesellschaft für Produktion (Founding Member of Austrian Scientific Society of Production)
- VDI - Verein Deutscher Ingenieure (Association of German Engineers)
- Design Society
- GI - Gesellschaft für Informatik (German Computer Society)

## Professional Record:

06/2001 – 01/2006

### **Loedige Industries Group, Warburg (Germany)**

Manufacturing company producing air cargo and material handling systems for automotive industry.

**Position:** Manager IT and Business Automation (CIO)

Department head (profit center) reporting directly to the CEO.

02/2000 – 06/2001

### **Myview Technologies, Paderborn (Germany)**

Software Company developing e-business solutions for electronic product catalogues and web content management.

**Position:** Senior Consultant Internet Solutions

Project manager leading developer teams. Pre and post sales consulting.

02/1995 - 01/2000

### **Ruhr-University of Bochum (Germany)**

Information Technology in Mechanical Engineering Division (ITM) at the Institute of Engineering Design

**Position:** Scientific Employee/Researcher

---

## **10 Selected Publications (recent 5 years)**

- Rosenberger, P.; Gerhard, D., Dumss, S. (2019). Modelling the Behaviour of Context-aware Systems: State-of-the-Art Analysis and Introduction of a Customized UML Profile. In Proceedings of the 7th International Conference on Model-Driven Engineering and Software Development - Volume 1: MODELSWARD, pages 521-528.
- Nigischer, C., Gerhard, D. (2018): "Detailed concept of the SysML lightweight visualization in PDM systems" In Marjanović, M. et al: Proceedings of the DESIGN 2018 15th International Design Conference, pp 2925-2936.
- Nigischer, C., Gerhard, D. (2017): "Lightweight Visualization of SysML models in PDM systems". In: Maier, A. et al (Eds.): "Proceedings of the 21st International Conference on Engineering Design (ICED 17) - Resource-Sensitive Design", Vancouver, BC, Aug. 21-25, 2017.  
*Reviewer Favorites Award (Top 10% of Peer-Review Score)*
- Weißenbach, P., Gerhard, D. (2017): "Towards real-time feedback on manufacturability for engineering designers directly from manufacturers". In: Maier, A. et al (Eds.): "Proceedings of the 21<sup>st</sup> International Conference on Engineering Design (ICED 17) - Resource-Sensitive Design", Vancouver, BC, Aug. 21-25, 2017.
- Gerhard, D. (2017): "Product Lifecycle Management Challenges of CPPS". In: Biffli, S., Lüder, A., Gerhard, D. (Eds.): "Multi-Disciplinary Engineering for Cyber-Physical Production Systems", Springer, 2017, pp. 89-110.
- Cho, J., Vosgien, T., Prante, T., Gerhard, D. (2016): "KBE-PLM Integration Schema for Engineering Knowledge Re-use and Design Automation". In: Harik, R. et al (Eds.): "Product Lifecycle Management for Digital Transformation of Industries, Proceedings of 13<sup>th</sup> IFIP International Conference on Product Lifecycle Management (PLM16), July 11-13, 2016, Columbia, SC (USA)", Springer, 2016, pp 43-55. *Best Doctoral Presentation Award*
- Gerhard, D. (2016): "Daten- und Informationsmanagement PDM/PLM", in: Lindemann, U. (Ed.): "Handbuch Produktentwicklung" Carl Hanser Verlag, München, 2016, pp. 215-246.
- Gerhard, D. (2015): "Integrating Electric Energy Demand of Machine Tool Processes as Resource for Production Planning Software", in: M. Fathi (Ed.): "Integrated Systems: Innovations and Applications", Springer, 2015, pp 29-38.
- Ljuhar, R., Gerhard, D., Reinauer, G., Krumboeck, G. (2014): "Information management in product development workflows – a novel approach on the basis of pseudonymization of product information". In: Moroni, G., Tolio, T., (Eds.): "Proceedings of 24<sup>th</sup> CIRP Design Conference, Milano (IT), Procedia CIRP, Vol. 21, 2014, pp. 467-472.
- Gerhard, D., Ugurlu, S. (2014): "Integrative Product Creation – Results From A New Course in a Learning Factory", in: Bohemia, E. et al (Eds): "Proceedings of the 16<sup>th</sup> International conference on Engineering and Product Design Education (E&PDE14), Design Education and Human Technology Relations", University of Twente (NL), Sept. 04-05, 2014, pp. 543-548.