

**Prof. Dr. Fritz Laux (retired),**  
Reutlingen University,  
[fritz.laux@reutlingen-university.de](mailto:fritz.laux@reutlingen-university.de)



Fritz Laux received a Ph.D. (Dr. rer. nat.) in Mathematics and worked as researcher at the Institute of Astrophysics at the University of Tübingen. Later, he worked as a system analyst in industry and was responsible for project management, database modelling and tuning. As software-architect he designed commercial information systems for international companies and Swiss government agencies. From 1986 - 2015 he was a full professor of database and information systems. Together with colleagues he established the departments of Business Informatics and Media- and Communication Informatics. His teaching record includes Computer Networks, Object Oriented Technologies, Database and Information Systems, Transaction Processing, Post-relational Databases, Data Warehousing, Business Intelligence, and Data Mining. During his 29 years of academic work, he supervised hundreds of students, among them many which became successful as managers, researcher and academics. In 2012 he received a research award from his university. He retired in 2015, but is still active as researcher.

His research interests include

- Information modelling and data integration
- Transaction management and optimistic concurrency control
- Business intelligence and knowledge discovery

Prof. Laux has published a number of papers in peer reviewed conferences and journals. Together with Malcolm Crowe he made contributions on Big Live Data and developed an hypergraph model with schema support, called Typed Graph Model (TGM). Recently Malcolm Crowe implemented TGM on top of his Pyrrho DBMS.

He served as program chair, member of program committees, and reviewer for several conferences and has been actively supporting IARIA by contributing papers to DBKDA and PATTERNS conferences that received DBKDA 2009 and DBKDA 2010 Best Paper Awards. He is a panellist, keynote speaker, and member of the DBKDA advisory board.

Prof. Laux is a founding member of DBTech.net (<http://www.dbtechnet.org/>), an initiative of European universities and IT-companies to set up a transnational collaboration scheme for Database teaching. Together with colleagues from 5 European countries he worked on projects supported by the European Union on state-of-the-art teaching and hands-on labs on database technology towards harmonizing the professional and university level of database education in Europe. He is an IARIA fellow and member of the German Computer Society (Gesellschaft für Informatik).