

CV Frank J. Furrer

September 2015

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Prof. h.c. Dr. Frank J. Furrer

CV Summary

2015 (July 1): **Professor h.c.** of the Computer Science Department of the Technical University of Dresden (TUD)

2013/14: **Lehrbeauftragter** TUD Dresden

1975 -2011: Industry-career in industrial control systems and in system/software architecture for very large IT systems

1974: **Ph.D.EE** (Dr. sc. techn. ETHZ) from the Swiss Federal Institute of Technology, Zurich (ETH-Z)

1970: **MS** in Electrical Engineering 1970 from the Swiss Federal Institute of Technology, Zurich (ETH-Z)

1945 (January 27): Born in Switzerland (Zurich)

Lectures

Winter Term 2015/16:

- Lecture **Future-Proof Software Systems**
- Ringvorlesung **Domain Software Engineering**

Summer Term 2015:

- Hauptseminar **Cognitive Computing**

Winter Term 2014/15:

- Lecture **Future-Proof Software Systems**
- Ringvorlesung **Industrial Software – Business Value, Agility & Resilience**

Summer Term 2014:

- Hauptseminar **Software in 2025**

Winter Term 2013/14:

- Lecture **Future-Proof Software Systems**

Recent Papers

Frank J. Furrer **Book Review:** Marc Goodman: FUTURE CRIMES – Everything is connected, everyone is vulnerable and what we can do about it. In: Informatik Spektrum, Springer Heidelberg, Band 38, Nr. 5.

Frank J. Furrer: ***Zukunftsfähige Softwaresysteme - Zukunftsfähig trotz zunehmender SW-Abhängigkeit.*** Informatik-Spektrum, Springer Heidelberg. First online: 30 June 2015
<http://link.springer.com/article/10.1007/s00287-015-0909-6>

Frank J. Furrer **Book Review:** Brynjolfsson, Erik; McAfee, Andrew: The Second Machine Age – Work, Progress, and Prosperity in a Time of Brilliant Technologies. In: Informatik Spektrum, Springer Heidelberg, Band 38, Nr. 1, 2015, Seiten 73 – 74.

Frank J. Furrer: ***Eine kurze Geschichte der Ontologie – Von der Philosophie zur modernen Informatik.*** Informatik Spektrum, Springer-Verlag, Heidelberg, August 2014, Volume 37, Issue 4, pp. 308-317.

Stephan Murer, Bruno Bonati, Frank J. Furrer: ***The silo effect: losing the game with a decoupled IT strategy.*** SimCorp Journal of Applied IT and Investment Management, Volume 4, No. 1, May 2012, pp. 12-15. Downloadable from: <http://www.simcorp.com/Knowledge/Journal-of-Applied-IT-and-Investment-Management> [last accessed: 8.1.2013]

Stephan Murer, Carl Worms, Frank J. Furrer: ***Managed Evolution.*** Informatik-Spektrum, 2008, Band 31, Heft 6, Seiten 537-547. Available at: <https://www.springer.com/pay+per+view?SGWID=0-1740713-3131-0-0> [last accessed: 8.1.2013]

Books



Stephan Murer, Bruno Bonati, Frank J. Furrer: **Managed Evolution – A Strategy for Very Large Information Systems**. Springer-Verlag, Heidelberg 2011, ISBN 978-3-642-01632-5

Frank J. Furrer: **Industrieautomation mit Ethernet-TCP/IP und Web-Technologie** (Industrial Automation with Ethernet-TCP/IP and Web-Technologies). Hüthig Verlag, Heidelberg. 3rd, enlarged edition, 2003. ISBN 978-3-7785-2860-2

Ahmad Abu El-Ata, Martin Aeberhard, Frank J. Furrer, Ian Gardiner-Smith, David Kohn: **“Our PKI-Experience” – Towards an Enterprise-Wide Public Key Infrastructure (PKI)**. Syslogic Press, Zurich, 2002. ISBN 978-3-9520919-4-4

Frank J. Furrer: **Ethernet-TCP/IP für die Industrieautomation – Grundlagen und Praxis**. (Ethernet-TCP/IP for Industrial Automation – Fundamentals and Applications). Hüthig Verlag, Heidelberg. 2nd enlarged edition, 2000. ISBN 978-3-7785-2779-7

Frank J. Furrer (Editor & Author): **BITBUS – Grundlagen und Praxis**. (BITBUS – Fundamentals and Applications). Hüthig Verlag, Heidelberg, 1994. ISBN 978-3-7785-2250-7

Frank J. Furrer: **Fehlerkorrigierende Block-Codierung für die Datenübertragung**. Birkhäuser-Verlag, Basel. Lehr- und Handbücher der Ingenieurwissenschaften LHI 36, 1981. ISBN 978-3-7643-0975-X

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