



# Thomas Frühwirth

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## Ausbildung und Studium

- 2014–offen **Dr.-Studium der techn. Wissenschaften Informatik**, *TU Wien*.
- 2012–2014 **Masterstudium Technische Informatik**, *TU Wien*.
- 2009–2012 **Bachelorstudium Technische Informatik**, *TU Wien*.
- 2004–2009 **Informationstechnologie**, *Höhere Technische Lehranstalt LiTec Linz*.
- 2000–2004 **Hauptschule**, *Gallneukirchen*.

## Berufserfahrung

- 2017–offen **Forschungsingenieur**, *Center for Digital Production*, Wien.
- 2014–offen **Projektassistent mit Schwerpunkt Internet of Things**, *Institut für Computer Engineering*, *TU Wien*.
- 2014 **Diplomand für "SAE AS6802 SW-based End System for AUTOSAR"**, *TTTech Computertechnik AG*.
- 2012/13 **Tutor für Dezentrale Automation**, *Institut für Computer Engineering*, *TU Wien*.
- 2011 **Tutor für Theoretische Informatik und Logik**, *Institut für Computersprachen*, *TU Wien*.
- 2006/07 **Praktikant in der elektrischen Montage**, *WFL Millturn Technologies*, Linz.

## Publikationen

T. Frühwirth, W. Steiner, and B. Stangl, "TTEthernet SW-based End System for AUTOSAR," in *Proceedings of the 10th IEEE International Symposium on Industrial Embedded Systems (SIES)*, Siegen, Germany, June 2015.

T. Frühwirth, L. Krammer, and W. Kastner, "Dependability Demands and State of the Art in the Internet of Things," in *Proceedings of the 20th IEEE Conference on Emerging Technologies and Factory Automation (ETFA)*, Luxembourg, Sept 2015.

T. Frühwirth, F. Pauker, A. Fernbach, I. Ayatollahi, W. Kastner, and B. Kittl, "Guarded state machines in OPC UA," in *Proceedings of the 41st Annual Conference of the IEEE Industrial Electronics Society (IECON)*, Yokohama, Japan, November 2015.

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T. Frühwirth, A. Einfalt, K. Diwold, and W. Kastner, "A distributed multi-agent system for switching optimization in low-voltage power grids," in *Proceedings of the 22nd IEEE Conference on Emerging Technologies and Factory Automation (ETFA)*, Limassol, Cyprus, Sept 2017.

T. Frühwirth, L. Krammer, and W. Kastner, "A methodology for creating reusable ontologies," in *Proceedings of the 1st IEEE International Conference on Industrial Cyber-Physical Systems (ICPS)*, Saint-Petersburg,, Russia, May 2018.

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