

Number	Date	SE	Signs	Lines	Signs/Line	Topic	Page
2008-12	07.11.2008	Kg/Um1	2683	80	44	FIR-Edition Studies 1	1/3

## Status quo of RFID utilisation covered in detail

### FIR presents a handy overview

**Aachen** – “By utilising RFID systems, objects can be identified without direct physical contact, any wire connection, or the need for the object to be in sight. This way, business processes can be designed more efficiently and more effectively”, explains Tobias Rhensius of the Research Institute for Operations Management (FIR) at RWTH Aachen University, speaking on the qualities of radio frequency identification. “By exploiting the potential of RFID, mistakes can also be avoided, process quality and security improved and information transparency increased”, adds research colleague Matthias Deindl.

However, the FIR has also established gaps in the knowledge of decision-makers. Many companies exhibit considerable information deficits with regard to the many uses of the system. In addition, practitioners find it hard to gain an overall view of the large number of publications when it comes to evaluating properly both the actual usefulness and the opportunities and risks of RFID utilisation in their enterprise.

Therefore, Rhensius and Deindl have presented a handy study for those who deal with RFID utilisation in a professional field. This handbook, published in the series “FIR Edition Studies”, offers an instant and comprehensive overview of the status quo of RFID utilisation which makes it easier to assess its economic efficiency.

For this “Meta Study RFID”, more than 140 case studies and applications were reviewed as well as structured and analysed using a reference model. The usefulness of and

Number	Date	SE	Signs	Lines	Signs/Line	Topic	Page
2008-12	07.11.2008	Kg/Um1	2683	80	44	FIR-Edition Studies 1	2/3

obstacles to RFID application are summarised clearly and solidly on the basis of detailed descriptions of applications and a great many additional sources, such as journal articles and specialist contributions. Furthermore, the meta study analyses more than 20 empirical studies and provides information about the shape and future developments of RFID technology, preferred areas of application, the technology used as well as acceptance and security.

According to Rhensius and Deindl, the analysis of the status quo also shows that a methodical approach is essential for the planning and assessment of RFID projects. For this reason, the FIR has developed an approach for Business Case Calculation within the framework of a project sponsored by the industrial research foundation 'Stiftung Industrieforschung'. The project is called: "Assessment of RFID utilisation with the help of a cost-benefit-evaluation of RFID systems for small and medium-sized businesses (RFID-EAs)". The approach developed as part of the project covers technical as well as business management aspects and will be presented in a separate volume of the series "FIR-Edition Research" to be published beginning of 2009.

For more information about the "Meta Study RFID", visit <http://www.fir.rwth-aachen.de/fir-edition>  
The book can also be ordered online.

Rhensius, Tobias; Deindl, Matthias:  
*Metastudie RFID: Eine umfassende Analyse von Anwendungen, Nutzen und Hindernissen der RFID-Implementierung.*  
FIR-Edition Studien, Bd. 1. Hrsg. Günther Schuh; Volker Stich. Aachen:

# Pressemitteilung

Number	Date	SE	Signs	Lines	Signs/Line	Topic	Page
2008-12	07.11.2008	Kg/Uml	2683	80	44	FIR-Edition Studies 1	3/3

Forschungsinstitut für Rationalisierung,  
2008. ISBN: 978-3-934318-65-6. 25 Euro

Dear Editor,  
No royalties are expected on publication.  
An author's copy or the link to the online  
report is reques.  
For further information, please contact:

## **Contact, FIR:**

Dipl.-Wirt.-Ing. Tobias Rhensius, MSc  
Section Informations Technology Management  
Department Information Management  
Pontdriesch 14/16, 52062 Aachen  
Phone: +49 241 47705-510 (8.30 a.m. - 12 a.m. and 2 p.m. - 4.30 p.m., fridays until 4 p.m.)  
E-Mail: Tobias.Rhensius@fir.rwth-aachen.de

Dipl.-Wi.-Ing. Matthias Deindl  
Section Informations Technology Management  
Department Information Management  
Pontdriesch 14/16, 52062 Aachen  
Phone: +49 241 47705-505 (8.30 a.m. - 12 a.m. and 2 p.m. - 4.30 p.m., fridays until 4 p.m.)  
E-Mail: Matthias.Deindl@fir.rwth-aachen.de

## **Press and Public Relations, FIR:**

Dr. Olaf Konstantin Krueger, M.A.  
Head of Department Communicating Management  
Pontdriesch 14/16, 52062 Aachen  
Phone: +49 241 47705-150 (8.30 a.m. - 12 a.m. and 2 p.m. - 4.30 p.m., fridays until 4 p.m.)  
Fax: +49 241 47705-199  
E-Mail: OlafKonstantin.Krueger@fir.rwth-aachen.de  
Web: www.fir.rwth-aachen.de

## **Profile, FIR:**

An independent research service provider at the RWTH Aachen University, the Research Institute for Operations Management Inc. (FIR) has more than 50 years of experience in the development and application of methods aimed at enhancing growth and employment.

The FIR is a member of the study group of industrial research organisations 'Arbeitsgemeinschaft industrieller Forschungsvereinigungen' (AiF) and has about 150 member companies and associations with more than 50,000 associated companies.

In the research fields of Service Management, Information Management, and Production Management, about 120 academic staff and assistants combine in a network to design the organisation of the 'enterprise of the future'.