

IoT Automation

Arrowhead Framework

Jerker Delsing

Lulea University of Technology, Lulea, Sweden

The aim of this book is to enable collaborative automation by providing in-depth description of the Arrowhead Framework and its ability to foster interoperability between IoT and CPS devices at a service level. Arrowhead Framework is the only IoT Framework that addresses global interoperability across multiple SOA technologies. In response to EU societal challenges, the Arrowhead Framework is utilized in multiple application areas within smart production, smart buildings, smart energy, and electro mobility.

KEY FEATURES

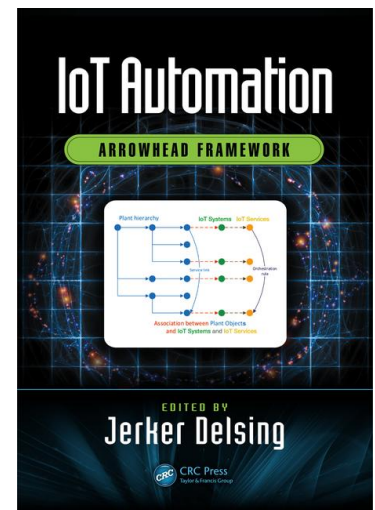
- Covers the design and implementation of IoT based automation systems.
- Industrial usage of Internet of Things and Cyber Physical Systems made feasible through Arrowhead Framework.
- Functions as a design cookbook for building automation systems using IoT/CPS and Arrowhead Framework.
- Tools, templates, code etc. described in the book will be accessible through open sources project Arrowhead Framework Wiki at forge.soa4d.org/
- Written by the leading experts in the European Union and around the globe.

SELECTED CONTENTS

Towards industrial and societal automation and digitization. Local automation clouds. The Arrowhead Framework architecture. Arrowhead Framework core systems and services. Application system and services: design and implementation - a cook book. Engineering of IoT automation systems. Application system design - energy optimization. Application system design – maintenance. Application system design: complex systems management and automation. Application System Design - High Security. Application system design - smart production.

SAVE 20% when you order online and enter Promo Code **EEE17**

FREE standard shipping when you order online.



Catalog no. K27545
February 2017, 366 pp.
ISBN: 978-1-4987-5675-4
\$99.95 / £63.99

www.crcpress.com

e-mail: orders@crcpress.com

1-800-634-7064 • 1-561-994-0555 • +44 (0) 1235 400 524



CRC Press
Taylor & Francis Group