

Table of Contents

Fall Detection of the Elderly in the Activities of Daily Living <i>Taekyeong Lee, Youngho Lee, Jaemin Kim, Soonmoon Jung, Dongwook Yang, Beomgeun Jo, Jeongwoo Lee, and Junghwa Hong</i>	1
Determination of the Environmental Conditions by the Evaluation of Test Drive Data <i>Steffen Wittel, Daniel Ulmer, and Oliver Buhler</i>	3
Measuring Safety in Aviation: Empirical Results about the Relation between Safety Outcomes and Safety Management System Processes, Operational Activities and Demographic Data <i>Steffen Kaspers, Nektarios Karanikas, Alfred Roelen, Selma Piric, Robbert van Aalst, and Robert Jan de Boer</i>	9
ERTMS Challenges for a Safe and Interoperable European Railway System <i>Katja Schuitemaker and Mohammad Rajabalinejad</i>	17
Supporting Risk-Based Design by Computational Synthesis <i>Mohammad Rajabalinejad, Robert Velten, and Hans Tragter</i>	23
Shift-Invariant Motif Discovery in Image Processing <i>Sahar Torkamani and Volker Lohweg</i>	27
A Survey on CNN and RNN Implementations <i>Javier Hoffmann, Osvaldo Navarro Guzman, Florian Kastner, Benedikt Janssen, and Michael Hubner</i>	33