## Table of Contents

### Special Issue on Human Computer Interaction in Critical Systems II: Authorities and Industry

### Guest Editorial Preface
iv  Christian Reuter, Institute for Information Systems, University of Siegen, Siegen, Germany

### Research Articles

1  **Optical Head-Mounted Displays in Mass Casualty Incidents: Keeping an Eye on Patients and Hazardous Materials**
   Henrik Berndt, Institute for Multimedia and Interactive Systems, University of Luebeck, Luebeck, Germany
   Tilo Mentler, Institute for Multimedia and Interactive Systems, University of Luebeck, Luebeck, Germany
   Michael Herczeg, Institute for Multimedia and Interactive Systems, University of Luebeck, Luebeck, Germany

16  **Simulation and Analysis of Mass Casualty Mission Tactics: Context of Use, Interaction Concept, Agent-Based Model and Evaluation**
   Johannes Sautter, Fraunhofer IAO, Stuttgart, Germany
   Denis Havlik, Austrian Institute of Technology (AIT), Seibersdorf, Austria
   Lars Büschlog, Fraunhofer IAO, Stuttgart, Germany
   Matthias Max, German Red Cross Headquarters, Berlin, Germany
   Kalev Rannat, Tallinn Technical University, Tallinn, Estonia
   Marc Erlich, Artelia Eau et Environnement, Grenoble, France
   Wolf Engelbach, Fraunhofer IAO, Stuttgart, Germany

40  **Towards Virtual Reality Crisis Simulation as a Tool for Usability Testing of Crisis Related Interactive Systems**
   Kristian Rother, Hamm-Lippstadt University of Applied Sciences, Lippstadt, Germany
   Inga Karl, Hamm-Lippstadt University of Applied Sciences, Lippstadt, Germany
   Simon Nestler, Hamm-Lippstadt University of Applied Sciences, Lippstadt, Germany

55  **Should I Try Turning It Off and On Again? Outlining HCI Challenges for Cyber-Physical Production Systems**
   Thomas Ludwig, Institute for Information Systems, University of Siegen, Siegen, Germany
   Christoph Kotthaus, Institute for Information Systems, University of Siegen, Siegen, Germany
   Volkmar Pipelk, Institute for Information Systems, University of Siegen, Siegen, Germany

69  **Towards Efficient Security: Business Continuity Management in Small and Medium Enterprises**
   Christian Reuter, Institute for Information Systems, University of Siegen, Siegen, Germany

### Copyright
The *International Journal of Information Systems for Crisis Response and Management* (IJISCRAM) (ISSN 1937-9390; eISSN 1937-9420), Copyright © 2015 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.