References


Appendix A: Own Publications

The research presented in this work has been presented and discussed in the field of human-computer-interaction and information systems for emergency response. The following list presents in reverse chronological order the papers published in the frame of this thesis.


Table 29 displays how each publication has contributed to one or more chapter or section of this thesis.

<table>
<thead>
<tr>
<th>Publication</th>
<th>Type</th>
<th>Chapter</th>
</tr>
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<tbody>
<tr>
<td>I</td>
<td>Overall</td>
<td>1-9</td>
</tr>
<tr>
<td>II</td>
<td>Help Beacons: second prototype</td>
<td>6, 7.3</td>
</tr>
<tr>
<td>III</td>
<td>Local Cloud: first prototype</td>
<td>6, 8.2</td>
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<td>IV</td>
<td>Help Beacons: first prototype</td>
<td>3, 6, 7.2</td>
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<tr>
<td>V</td>
<td>Help Beacons: second prototype</td>
<td>7.3</td>
</tr>
<tr>
<td>VI</td>
<td>Empirical data, methodology and concept</td>
<td>2, 3, 4, 5</td>
</tr>
<tr>
<td>VII</td>
<td>Background</td>
<td>2, 6</td>
</tr>
<tr>
<td>VIII</td>
<td>Background</td>
<td>2, 3</td>
</tr>
<tr>
<td>IX</td>
<td>Background, empirical data</td>
<td>2, 4</td>
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</table>

Table 29 Publications contributing to this thesis

Moreover, this research resulted in the publishing of one patent application:


The author of this work contributed to further publications, which are out of the scope of the thesis. In the following, these publications are listed in alphabetic order.


### Appendix B: Curriculum Vitae

#### Particulars

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Details</th>
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<tbody>
<tr>
<td>Family Name</td>
<td>Al-Akkad</td>
</tr>
<tr>
<td>First Name</td>
<td>Amro</td>
</tr>
<tr>
<td>Address</td>
<td>Mirecourtstr. 16, 53225 Bonn, Germany</td>
</tr>
<tr>
<td>E-Mail</td>
<td><a href="mailto:amro.al-akkad@fit.fraunhofer.de">amro.al-akkad@fit.fraunhofer.de</a></td>
</tr>
<tr>
<td>Date of Birth</td>
<td>7 January 1981</td>
</tr>
<tr>
<td>Birth Place</td>
<td>Ludwigsburg</td>
</tr>
<tr>
<td>Nationality</td>
<td>German</td>
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<tr>
<td>Marital Status</td>
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#### Academic Education

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<tr>
<th>Date</th>
<th>Institution</th>
<th>Degree</th>
<th>Focus</th>
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<tr>
<td>12 / 2008 – Current</td>
<td>RWTH Aachen University, Germany</td>
<td>PhD in Computer Science, Degree: Dr. rer. nat.</td>
<td>Focus: Mobile Computing</td>
</tr>
<tr>
<td>07 / 2006 – 12 / 2006</td>
<td>QUT, Brisbane, Australia</td>
<td></td>
<td>Study Abroad Semester</td>
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#### Military Service

<table>
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<th>Date</th>
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<tbody>
<tr>
<td>11 / 2000 – 08 / 2001</td>
<td>German Air Force, Bayreuth and Haiger Burbach, Germany</td>
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<tr>
<td>Professional Experience</td>
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<tr>
<td>12 / 2008 – Current</td>
<td></td>
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<tr>
<td>Fraunhofer Institute for Applied Information Technology (FIT), Sankt Augustin, Germany</td>
<td></td>
</tr>
<tr>
<td>Position: Research Associate</td>
<td></td>
</tr>
<tr>
<td>Focus: Ubiquitous Computing</td>
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</tr>
<tr>
<td>05 / 2007 – 09 / 2008</td>
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</tr>
<tr>
<td>Fraunhofer Institute for Applied Information Technology (FIT), Sankt Augustin, Germany</td>
<td></td>
</tr>
<tr>
<td>Position: Student Assistant</td>
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<tr>
<td>Focus: User-oriented Software Development</td>
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<tr>
<td>Deutsche Bank, Frankfurt am Main, Germany</td>
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<tr>
<td>Position: Intern</td>
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<tr>
<td>Focus: IT-Security, Software Engineering</td>
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<table>
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<th>Skills</th>
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<td>Languages</td>
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<tr>
<td>German (native), English (fluent), Arabic (basics)</td>
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<tr>
<td>Methods</td>
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<tr>
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<td>Programming</td>
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<td>Java, C++, C#, SQL</td>
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<td>Markup Languages</td>
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<td>MySQL, HTML, XML</td>
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<tr>
<td>Frameworks</td>
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<tr>
<td>Android, OSGi, REST, SOAP, .NET</td>
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<td>Developer Tools</td>
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<tr>
<td>Atlassian Confluence and JIRA, Eclipse, Git, Subversion, Ant, Ivy, Visual Studio</td>
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<tr>
<td>Biking, Jogging</td>
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<tr>
<td>Hobbies</td>
</tr>
<tr>
<td>Music, Reading, Traveling</td>
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