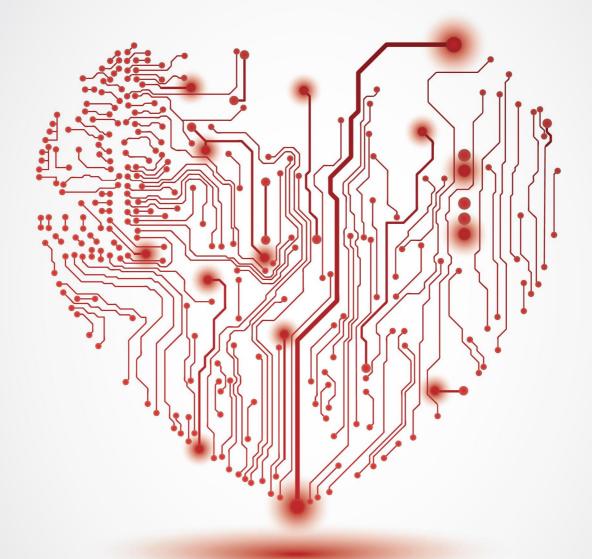


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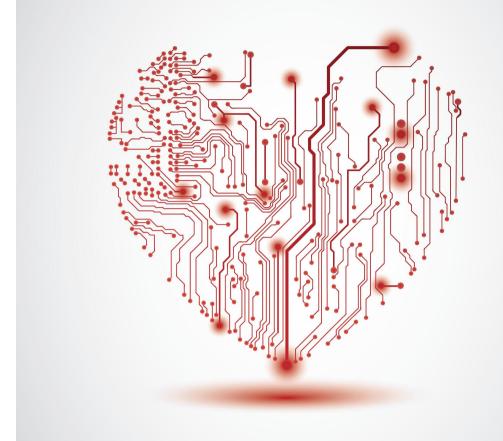
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A Context-Aware, Interactive M-Health System for Diabetics

Shih-Hao Chang, Rui-Dong Chiang, Shih-Jung Wu, and Wei-Ting Chang

Long-term diabetes care requires involvement from patients as well as doctors and family caregivers. The authors' context-aware, interactive m-health system (ImHS) provides real-time, two-way communication between diabetes patients and caregivers by utilizing Internet of Things technology.

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M-Health Solutions Using 5G Networks and M2M Communications

Willian D. de Mattos and Paulo R.L. Gondim

The authors present recent research linking the growing mobile health (m-health) field with the need for 5G and machine-to-machine technologies. They explore the multiple benefits that these emerging technologies could offer to broadly expand m-health solutions.

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Emerging IT for Medication Adherence

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Medication adherence is one of the most complex and persistent challenges in healthcare, but emerging IT can play a major role in improving it. The authors discuss five major technologies for medication adherence.

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Security in Cloud-Computing-Based Mobile Health

Silas L. Albuquerque and Paulo R.L. Gondim

Applying cloud computing to the mobile health (m-health) field offers several benefits for patients, professionals, and health organizations. However, the infrastructure vulnerabilities that mobile and cloud-based systems present should be of concern to IT professionals.

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Moving Beyond Readability Metrics for Health-Related Text Simplification

David Kauchak and Gondy Leroy

Limited health literacy is a barrier to understanding health information. The authors' evidence-based development strategy can help design effective text-simplification software. They also examine existing readability formulas, and find that term familiarity is a better option for measuring text difficulty.

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