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## Healthcare of the Future

### Bridging the Information Gap

5 April 2019  
 Bern University of Applied Sciences  
 Biel/Bienne, Switzerland

## Come and visit us for «Healthcare of the Future» 2019

If you are looking for the latest achievements in eHealth, mobile health, personalised health, workflow-based health applications and how modern information technology will impact future healthcare, you should attend this conference.

Our goal is to discuss with you in an international environment the advanced interaction between nurses, caregivers, patients and healthcare institutions based on modern information technology. We want to show whether and how this interaction can improve and accelerate healthcare processes. And we would like to discuss the future role of the empowered patient in his own care process.

*Enjoy two attractive keynotes*

### «Digital Patient Communication: Improving the Hospital-Patient Relationship»

**Prof. Dr. Hans-Ulrich Prokosch**

*Chair of Medical Informatics, University of Erlangen, Co-chair of the Medical Informatics expert committee of the German Medical Informatics Association GMDS*

### «Left to Our Own Devices»

**Dr. Margaret E. Morris**

*Clinical psychologist, researcher and inventor of technologies to support health, emotional wellbeing and interpersonal connectedness. A Senior Research Scientist at Intel from 2002 to 2016, she has conducted user experience research at Amazon. She teaches Human Centred Design and Engineering at the University of Washington.*

*Inform yourself about current research topics*

- How does eHealth change the care process?
- Workflows in healthcare
- Knowledge-based IT support

*Young researchers present their work*

- Apps to support the patients and caregivers
- eHealth and the informed patient

## Programme

	Scientific Track Auditorium	Young Researchers' Track Room 405, follow the yellow line
09:00-09:20	<b>Opening Session</b>	
09:20-09:50	The Project «Hospital of the Future live»	
09:50-10:30	Keynote: <b>Digital Patient Communication: Improving the Hospital-Patient Relationship</b> <i>Hans-Ulrich Prokosch, Chair Medical Informatics Univ. Erlangen</i>	
10:30-11:00	Coffee break	
11:00-12:20	<b>Session A1</b> <b>How does eHealth change the care process?</b> <ul style="list-style-type: none"> <li>• Exploring the Future Role of Self-Tracking Data in the Rheumatology Clinic (<i>Hue, Jones, Sengupta</i>)</li> <li>• Managing Influenza Outbreaks through Social Interaction on Social Media: Research Transformation Through an Engaged Scholarship Approach (<i>Bunker, Ehnis</i>)</li> <li>• Streamlining Hospital IT - Improving the admission process (<i>Holm, Kammermann, Noser, Sariyar, Bürkle</i>)</li> <li>• Components for Material Master Data Management in Swiss Hospitals (<i>Lehmann, Philips, Telesca, Sariyar, Holm, Zetz, Bürkle</i>)</li> </ul>	<b>Session C1</b> <b>Apps to support patients and caregivers</b> <ul style="list-style-type: none"> <li>• Improving and evaluating eMMA's communication skills: A chatbot for managing medication (<i>Hess, Fricker, Denecke</i>)</li> <li>• Automated rating of Multiple Sclerosis test results using a convolutional neural network (<i>Birchmeier, Studer</i>)</li> <li>• An app to improve colorectal carcinoma follow-up (<i>Wyss, Stierlin</i>)</li> <li>• A Mobile Application for Self-monitoring for Patients with Heart Failure (<i>Arulnathan, Vaahesan, Denecke</i>)</li> </ul>
12:20-13:30	Lunch break 13:00-13:25 Poster Walk	
13:30-14:10	Keynote: <b>Left to Our Own Devices</b> <i>Margaret E. Morris</i>	
14:15-15:15	<b>Session A2</b> <b>Workflows in healthcare</b> <ul style="list-style-type: none"> <li>• Cross-institutional Pathway Guidance - Chance or extra Burden (<i>Bürkle, Lehmann, Denecke, Holm, Sariyar, Zetz, Denecke</i>)</li> <li>• Making the Radiology Workflow Visible in Order to Inform Optimization Strategies (<i>Brodbeck, Degen, Lüthy, Heye</i>)</li> <li>• Current reasons for not using clinical pathways in practice (<i>Sariyar, Bürkle, Lehmann, Holm</i>)</li> </ul>	<b>Session C2</b> <b>eHealth and the informed patient</b> <ul style="list-style-type: none"> <li>• Can the Austrian nation-wide EHR support the recruitment of trial patients? (<i>Augustinov, Duftschmid</i>)</li> <li>• The EU Falsified Medicines Directive - A Concept for Drug Decommissioning in Hospitals (<i>Burri, Scheidegger</i>)</li> <li>• Does eHealth Literacy Impact Patients' Opinion on the EHR? (<i>Möri, Drewlow et al</i>)</li> </ul>
15:15-15:45	Coffee break	
15:45-17:05	<b>Session A3</b> <b>Knowledge based IT support</b> <ul style="list-style-type: none"> <li>• Design Considerations for a Knowledge Graph: the WATRIMed use case (<i>Some, Bordea, Thiessard, Schulz, Diallo</i>)</li> <li>• An Extension of the Arden Syntax to Facilitate Clinical Document Generation (<i>Kraus, Toddenroth, Unberath, Prokosch, Hueske-Kraus</i>)</li> <li>• Swiss Meds: An app Fostering Medication Adherence of Swiss Patients (<i>Ehrler, Gschwind, Meyer, Blondon</i>)</li> <li>• Intelligent Conversational Agents in Healthcare: Hype or Hope? (<i>Denecke, Tschanz, Dorner, May</i>)</li> </ul>	
17:05-17:25	Concluding Session & Award ceremony	
17:30	Get together	