



UNIVERSITÄT ZU LÜBECK
COPICOH | CENTER FOR OPEN INNOVATION
IN CONNECTED HEALTH



COPICOH-NEWS JUNE 2019

Dear Enthusiasts of Networked Health,

in the second newsletter of this year, we again report on selected highlights of our activities in the summer of 2019.

In the last few weeks there have been a number of very interesting encounters, lectures and conference contributions.

Have fun while reading.

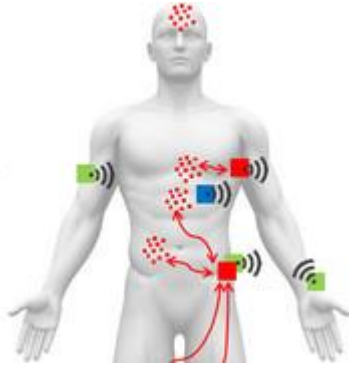
A handwritten signature in black ink, appearing to read 'A. Schrader'.

Prof. Dr.-Ing. Andreas Schrader



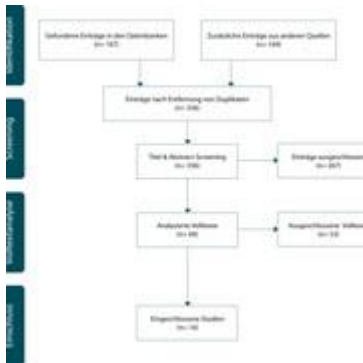
New institute recorded at COPICOH

The Institute for Electrical Engineering in Medicine (IME) of the University of Lübeck under the direction of Prof. Dr. Philipp Rostalski was accepted as a new institute at COPICOH. [continue reading](#)



New Joint Lab 3 at COPICOH

The third interdisciplinary research laboratory "Joint Lab 3 - Nanomedicine" was opened at COPICOH. The new Joint Lab 3 extends the current research on networking to ultrashort distances in the human body itself. [continue reading](#)



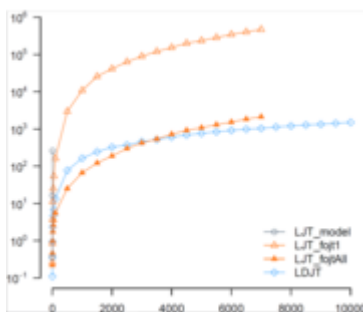
Telemedicine projects in rural Germany. A systematic evaluation with the "model for evaluation of telemedicine applications"

As part of a systematic research carried out by Raphael Allner, Denise Wilfling, Dr. Kristian Kidholm and Prof. Jost Steinhäuser, 336 publications on the topic "Telemedicine in rural Germany" were identified and 16 works were analyzed in detail. [continue reading](#)



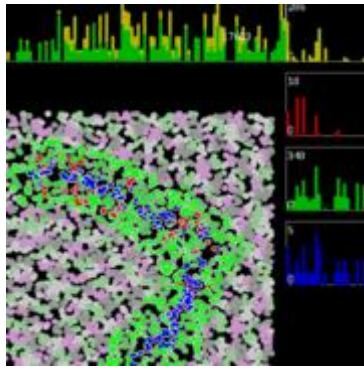
Prof. Steinhäuser speaks at the Niederrhein Network about the implementation of telemedicine

Prof. Dr. med Jost Steinhäuser was invited to Krefeld as a speaker for the training event "DMP All-in-One" of the Niederrhein Network on 18 May 2019. [continue reading](#)



32nd International Florida Artificial Intelligence Research Society Conference

Marcel Gehrke presented the paper "Relational Forward Backward Algorithm for Multiple Queries" at the 32nd International Florida Artificial Intelligence Research Society Conference. [continue reading](#)



Simulation of nanocommunication in cooperation with FEMTO-ST

Other research groups are also thinking about the networking of nanodevices: A research group from the OMNI team of the French FEMTO-ST Institute is investigating communication of nanodevices, similar to the nano-group of COPICOH. A cooperation suggested itself and already shows success with a first joint research result. [continue reading](#)

$$\sum_{v \in \mathcal{X}, r \in r_v(M)} P(v|\mathbf{E}, \mathbf{s}) \cdot U(v, \mathbf{E}, \mathbf{s})$$

32nd Canadian Conference on Artificial Intelligence

Marcel Gehrke presented the papers "Lifted Temporal Maximum Expected Utility" and "Uncertain Evidence for Probabilistic Relational Models" at the 32nd Canadian Conference on Artificial Intelligence. [continue reading](#)



DFG project NaBoCom

In May, the DFG application "NaBoCom: Connecting in-body nano communication with body area networks " was approved. In this project, Joint Lab 3 is now focusing on integrating nano-communication systems in the human body with BAN and IoT IT infrastructures, leading to the Internet of Nano Things (IoNT). [continue reading](#)



12th Breitbandforum 2019

At the 12th Breitbandforum of the Breitband-Kompetenzzentrum Schleswig-Holstein on 5 June 2019 in the Stadthalle Neumünster, Raphael Allner presented results from Joint Lab 1 "Telemedicine for rural areas". [continue reading](#)



Computation of Decision Problems Within Messages in DNA-Tile-Based Molecular Nanonetworks

DNA-based nanonetworks can be used for diagnostic purposes in medicine. In doing so, nanodevices communicate via message molecules. [continue reading](#)



ParkProTrain App - Start of study

The programming work in the project ParkProTrain has been successfully completed [continue reading](#)

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Das Center for Open Innovation in Connected Health wird vertreten durch dessen Sprecher Prof. Dr.-Ing. Andreas Schrader .