**PerHealth 2020 - Fifth IEEE PerCom Workshop on Pervasive Health Technologies**

**Call for Papers**

*Held in conjunction with the IEEE Pervasive Computing and Communications Conference*

*Austin, TX, March 23 or 27, 2020*

[http://learnlab.uta.edu/PerHealth20](http://learnlab.uta.edu/PerHealth20)

**Scope** - Healthy living and access to appropriate healthcare have become major concerns and behavioral drivers. This is also reflected in the economy, as an average middle class family in the U.S. spends on average 22% of their income on healthcare. This impact is further emphasized as population aging in developed countries has an increasingly negative effect on the relative supply of healthcare providers, thus leading to further cost increases. Information technology has the potential to help disrupt the resulting cost spiral and reduce the financial and societal burden that healthcare can pose. With today’s relative free flow of information, people have access to more relevant information and thus can afford to make better health decisions. Pervasive technologies can not only help provide, manage, and analyze passive health information but can be used to monitor health parameters and thus provide more tailored information. Such monitoring could also provide value added information when visiting healthcare professionals. In the context of the workshop we use the term “pervasive health” as the superset of soft- and hardware technologies that can help people manage their health in a pervasive manner. The PerHealth Workshop focuses on pervasive information and medical-device technologies that can aid people in managing their own health. We will provide a forum where hardware, software, and middleware technologies are discussed that relate to aging in place, geriatrics, chronic disease management, health management, or that could help people with disabilities.

**Topics of interest** include but are not limited to:

- Wearable and implantable sensors for pervasive healthcare
- Communications in pervasive healthcare
- Service and device discovery for pervasive healthcare
- Data fusion and context elaboration in pervasive healthcare
- Home monitoring and ambient assisted applications for healthcare
- Pervasive healthcare applications for clinicians
- Business models of pervasive health delivery
- Standards and frameworks
- Integration of ambient intelligence with healthcare
- Privacy and security issues in pervasive healthcare
- Middleware for pervasive healthcare
- Energy Efficiency in pervasive health monitoring
- Artificial intelligence and expert systems for pervasive health systems
- User interface, usability and acceptability of pervasive healthcare systems
- Learning, and prediction of living activities and patterns
- Smart environments for healthy living and/or aging in place
- Social impact of pervasive technologies

**Policies** - Submitted papers must be original contributions that are unpublished and are not currently under consideration for publication by other venues. Submissions are limited to a maximum of 6 pages and must adhere to IEEE format (2 column, 10 pt font). Templates are available via the workshop website. Accepted papers will be published in the IEEE PerCom Workshop Proceedings. Note, that each accepted paper requires a full PERCOM registration (there is no registration available for workshops only)!

**Important Dates:**

- Paper submissions: November 1, 2019
- Paper notifications: December 20, 2019
- Camera ready submissions: January 31, 2020
- Registration Deadline: January 31, 2020