

FALL 2017

Biomedical Informatics Weekly Seminar Series

Personal Data Management Systems and P4 pilots in GDPR era

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September 15th, 2017 (2:45 p.m. – 4:00 p.m)

Room Sj 1-149 , Samuel C. Johnson Research Bldg.

Mayo Clinic Scottsdale



Speaker's Bio: Mr. Honko has a M.Sc. degree in signal processing and has been conducting technology research, management and strategy at Nokia 1995-2010, prior to co-founding 2011 a mHealth startup that released a personal self-tracking driven, Finnish preliminary PHR -integrated mobile health coaching and self-care service. He has commercial and R&D experience with PHR-integrated mobile services, digital service design, cloud computing frameworks, API authorization frameworks and agile software development. His current interests include MyData, Privacy as a Service, data aggregation and 'little big data', longitudinal data analytics over individual's horizontal data sets. He holds two patents, and works as a consultant and as the Chief Product Officer of Wellness Warehouse Engine in parallel to his academic position at Tampere University of Technology.

Talk Abstract: Finland has been home to a few unique, disruptive things in history of computer science, such as Linux Torvald's Linux OS. Since 2012, a group of researchers and activists have been driving principles of MyData, human-centric approach to personal data management. In MyData2017 conference on August 30 2017, a reference architecture framework was released along with a Service Development Kit to support creation of digital services adhering to these principles and meeting the requirements of GDPR, the new privacy regulation of Europe. Work on this project has been done under Digital Health Revolution research project, which under 2015-2017 also collected personal data footprints of 107 individuals for an extensive multi-omics P4 pilot – extending from similar pilots conducted so far by a few U.S. systems biology teams.