



## Esa Rasanen

Affiliate, Cardiovascular Institute Operations

### Bio

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#### BIO

I am a Professor of Physics at Tampere University with a background in quantum physics and dynamics, and broad experience in multidisciplinary research at the interface of physics, engineering, and medical sciences. My work has increasingly focused on computational cardiology, electrocardiography, and physiological signal analysis, where our team develops algorithms and software for extracting clinically meaningful information from complex biosignals. I have been involved in both academic research and applied innovation, including clinical validation studies and technology translation in healthcare and wearables. I am particularly interested in problems where rigorous physical modeling, data-driven methods, and real-world medical applications intersect.