

情報電子工学科 学会発表

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学会名	8th Games for Health Europe Conference (Games for Health Europe 2018)
演題名	Incorporating physiological measurement with gaming. As you know, it is easier to play digital game daily than to measure your blood pressure daily. A proposal of a novel future outlook of healthcare with digital gaming; "incorporating physiological measurement with gaming."
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内容	<p>Physiological measurements can be considered as tools for medicine and/or health maintenance. Particularly for the short term, the acute stage of diseases might be detected through physiological measurements. In addition to these established methods of short-term measurement that mainly have been used in hospital, long-term physiological measurements such as weight scales and home-use blood pressure monitors which provide chronological health information, have been considered as promising methods for maintaining health. However, sometimes, continuous long-term measurement is difficult for individuals without considerable intervention from medical doctors. In most cases, getting habituated to self-measurement depends on a subject's motivation. Based on this discussion, we have combined physiological measurements during game playing and physiological measurements, then, developed sensors/monitors embedded within game devices. We propose a novel significance of digital games based on this combination to establish a new method of self-health maintenance. We've considered that if physiological measurements could be possible during game playing, the groups of people who play games daily, i.e., the so-called "gamers," would be automatically measured, then, a large amount of physiological data could be automatically and easily obtained from the "gamers." If this would be possible, the "gamers" could maintain their health status more easily compared to other "ordinary" people who don't play games frequently. We refer to this paradoxical future outlook as "incorporating physiological measurement with gaming" and believe that this can be a possible health management method in the near future.</p> <p>Please see https://www.gamesforhealthurope.org/speaker/mitsuhiro-ogawa/</p>
関連画像	