



Select Publications

- Kanaya K, Yamada K, Ohyanagi T, Nakajima S, Sengoku Y. (2015). *Preliminary Study on a Novel Method of Using Reaction Time Tasks for Assessing Inattention Under an Environment of Dynamically Changing Visual Stimulus*. Sapporo Journal of Health Sciences, 4, 9-16.
- Ohyanagi T, Sengoku Y. (2013). *Some Issues in Measuring Reaction Times by Personal Computers*. Sapporo Journal of Health Sciences, 2, 61-67.
- Miyazaki M, Igras E, Liu L, Ohyanagi T. (2012). *Global Health Through e-Health/Telehealth*. Global Health.
- Ohyanagi T, Sengoku Y. (2010). *A Solution for Measuring Accurate Reaction Time to Visual Stimuli Realized with a Programmable Microcontroller*. Behaviour Research Methods, 42 (1), 245-253.

Toshio Ohyanagi, BE, DEng

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Dr. Ohyanagi's research is focused on developing new methodologies and systems to assess people with and without disabilities objectively and to assist daily living activities by using Information and Communications Technologies (ICT).

Dr. Ohyanagi's research interests lie in systems engineering (development of new systems and their application to both science and practice), telehealth and multimedia technologies (development of telehealth systems and software) function.

He has worked as the Chief Technology Strategist on the Wireless Wearable Physiological Monitoring (WWPM) Project with principal investigator, Dr. Masako Miyazaki from the University of Alberta.

He has also started two research studies with the Department of Occupational Therapy, University of Alberta and Sapporo University, Japan. The first is to develop new reaction time tasks to assess human cognition; the second is to develop new methodologies to assess clumsiness in children by using new handwriting tasks.

Dr. Ohyanagi is looking forward to publishing the results of these studies and sharing the systems and methodologies more widely in clinical fields.

Clinical Implications of Research

The systems and methodologies developed by Dr. Ohyanagi's research can be easily applied to clinical practice.