Integrated Handgrip System for Hand rehabilitation
and
Finch in Education Computing

Dr Andrew Yoong
Information System and Technology Design
Singapore University of Technology and Design

DATE: Friday, 14 August 2015
TIME: Starting at 10am
VENUE: Murdoch University, South St Campus, Loneragan Building [235], LB4.008
COST: Free, RSVP required
RSVP by COB Wednesday, 12 August 2015 to Kevin Wong at email k.wong@murdoch.edu.au

Abstract:

The integrated handgrip system research project is mainly based on user-centered approach in particular user ability and interests to accelerate recovery through non-conventional input devices with computer games. Our research integrates the user input design through sensors in squeezable objects, hybrid design method with computer games and information system.

The Finch research project aims to explore the inexpensive robot in education computing of information system, especially in teaching students about computer programming, writing new computer applications related to Finch, and advancing the ability of Finch.

This talk will share the problems encountered, implementation approaches, current findings and possible applications of both projects. Short videos and pictures will be used to aid in the presentation.

About the speaker:

Dr Andrew Yoong is a senior lecturer at the Singapore University of Technology and Design. He obtained his PhD from the National University of Singapore. He has more than 20 years of experience in the education industry. His research interests are information system (education computing and mobile application development), healthcare (wellness and social) and intelligent system. His projects use active learning approach to solve world problems. He has published numerous peer-reviewed papers in conferences and journals. He is also involved as a paper reviewer for international conferences and journals.