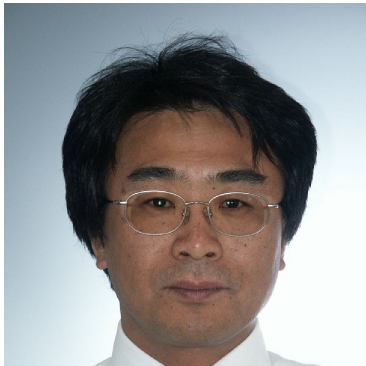




[Intelligent System Engineering](#) > OCHIAI Tsumoru



OCHIAI Tsumoru

Organization	Intelligent System Engineering
Position	Professor
Academic Title	Doctor(Engineering)
Research Fields	Mechatronics

<< Research Subjects >>

1. [Research and Development of Assistance Apparatus for Disabled](#)
2. [Research and Development of Measurement System Applied Image Processing](#)
3. [Development of Mechatronics Educational Materials](#)

<< Academic Activities >>

Papers and Notes

1. [Tsumoru OCHIAI : "The Creativity Education in the Department of Intelligent System Engineering at UBE KOSEN -The implementation of practices in intelligent system engineering-", Journal of JACT, Vol.13, No.2, pp.91-95\(2008\)](#)
2. [Ryouji MATSUI, Yayoi YAMANE, Tsumoru OCHIAI : "On the Detect of a Rectangular pillar position by an Image Using Hough Transformation", Journal of SICE, Vol.37, No.5, pp.45-467 \(2001\)](#)
3. [Tsumoru OCHIAI, Takakazu ISHIMATSU, Osamu TAKAMI, Ryouji MATSUI : "Computer Input Device for a Physically Disabled Person using Head Movement", International Journal of Systems Science, Vol.30, No.1, pp.131-134 \(1999\)](#)
4. [Tsumoru OCHIAI, Yoshio FUKUDA, Osamu TAKAMI, Ryouji MATSUI : "Computer Interface Developed for the Person with Disabled Upper Limb", Journal of Robotics and Mechatronics, Vol.11, No.6, pp.490-494 \(1999\)](#)
5. [Tsumoru OCHIAI, Takakazu ISHIMATSU, Osamu TAKAMI, Ryouji MATSUI, Yoshio FUKUDA: "Pointing Device for Physically Handicapped People Operated by the Posture of Head", Journal of JSME, Vol.64, No.621 Edition C, pp.166-170\(1998\)](#)
6. [Tsumoru OCHIAI, Takakazu ISHIMATSU, Osamu TAKAMI and Ryouji MATSU : "Data Input Device for Physically Handicapped People Operated by Eye Movements", Journal of JSME, Vol.63, No.609 Edition C, pp.140-144\(1997\)](#)
7. [Takakazu ISHIMATSU, Nobuyoshi TAGUCHI, Tsumoru OCHIAI, Takayuki OHATA: "First Three-Dimensional Measurement Technique Using A Reference Table", JSME International, Series III, Vol.35, No.4, pp611-615 \(1992\)](#)

Presentations

1. [Tsumoru OCHIAI, Takakazu ISHIMATSU, Osamu TAKAMI, Ryouji MATSUI: "Computer Input Device for Handicapped Using Vision Sensor", Proceedings of the third international symposium on artificial life and robotics\(AROB\), Vol2, pp.634-636, Oita\(Japan\), Jan. 19-21\(1998\)](#)
2. [Tsumoru OCHIAI, Takakazu ISHIMATSU, Osamu TAKAMI, Ryouji MATSUI : "Computer Input Device for Physically Handicapped People using Faculties of Head", Proc. of 2nd Asian Control Conference \(ASCC'97\), Vol. II, pp.115-118, Seoul\(Korea\), Jul. 22-25\(1997\)](#)
3. [Tsumoru OCHIAI, Takakazu ISHIMATSU, Osamu TAKAMI, Ryouji MATSUI : "3-D Measurement of Head Movement and Its Application", Proc. of 3rd France-Japan & 1st Europe-Asia Congress on MECHATRONICS, Vol.2, pp.816-820, Besancon\(France\), Oct. 1-3 \(1996\)](#)
4. [Tsumoru OCHIAI, Takakazu ISHIMATSU, Osamu TAKAMI, Ryouji MATSUI : "Typing Device for Physically Handicapped People Using Eyeball Movements", Proc. of 3rd France-Japan & 1st Europe-Asia Congress on MECHATRONICS, Vol.1, pp.317-321, Besancon\(France\), Oct. 1-3\(1996\)](#)
5. [Tsumoru OCHIAI, Takakazu ISHIMATSU : "A Mobile Robot Control for Handicap Person by Eyeball Movement", International Joint Symposium on Applied Mechanics on The Front-Most Line \(JSSUME'95\), pp.183-185.N agasaki\(Japan\), Sep. 15-17\(1995\)](#)

6. [Tsumoru OCHIAI, Takakazu ISHIMATSU, Kikuhito KAWASUE, Keiji.KUMON, Masaya FUKAGAWA : "Three-Dimensional Surface Measurement of a Human Face", International Conference on Industrial Electronics \(IECON'88\) Vol.IV, pp.965-970, Oct. 24-28, Singapore \(1988\)](#)