

# *Biometric Consortium 2004 Conference*

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**Topic:** The world created by blood vessel authentication -Transillumination Imaging of a Finger

**Abstract:** Transillumination Image of blood vessels of a finger for personal identification can be obtained by using near-infrared light. Bionics Co., Ltd introduced Blood Vessel Authenticator VA-100 into Japanese market 2001. In order to examine the effectiveness of the personal identification system using the transillumination image of blood vessels, the fundamental characteristics were analysed by the Graduate School of Engineering of Hokkaido University together with Bionics Co., Ltd. The dependence of the rejection and acceptance errors on the correlation threshold was clarified. Practically negligible rejection and acceptance errors can be realized by setting the correlation threshold between these two values.

**Biography:** Mr. Kozo Sushita was born in Osaka 1969. He graduated from Economics dept. of Kansai University in 1994. He entered in the trading company 1994. He was assigned to the NY office in 1997. Bionics Co., Ltd was established 2001.