

Principal Researcher	Tetsuo KATSUURA			Number of Reserchers	6	
Research Institution • Department • Title	Professor, Faculty of Engineering, Chiba University			Location of Institution	Chiba	
Title of Project	Physio-Anthropological Study on the Polymorphism of Physiological Responses to the Artificial Environments					
Abstract of Research Project	<p>An artificial environment, which has been lately appeared before us, has various affects to human beings. The purpose of this study is to clarify the physiological polymorphism of the human responses to some artificial environments.It is estimated that human beings first appeared in Africa approximately 5 to 7 million years ago, and we have evolved within a natural environment for most of this period. Therefore, we have adapted to the natural environment, but not yet fully adapted to the artificial environment. Especially, we don ' t have adaptability at all to the latest artificial lighting, thermal, and sound environments, which have been newly developed in few decades. Our physiological responses to those artificial environments have wide variations, and don ' t show a definite pattern. We plan to measure some autonomic nervous, central nervous, and thermoregulatory functions of human subjects in the artificial lighting, thermal, and sound environments, and to manifest the physiological polymorphism of the human responses.</p>					
References	<p>T. KATSUURA, Physio-Anthropological Themes in the 21st Century-The Natural and Artificial Environment. In: Current Topics in Physiological Anthropology, Croatian Anthropological Society, pp.7-12, 2000</p> <p>T. KATSUURA, R. TABUCHI, K. IWANAGA, H. HARADA, Y. KIKUCHI, Estimation of Thermal Sensation during Varied Air Temperature Conditions. Applied Human Science, Vol.17, No.2, pp.73-78, 1998</p>					
Term of Project	Fiscal years 2003-2007 . (5years)					
Budget Allocation (in thousand of yen)	FY2003	FY2004	FY2005	FY2006	FY2007	TOTAL
	46,500	9,000	7,500	9,000	9,000	81,000
Homepage Address	None					