

# Degree Programs in Comprehensive Human Sciences

## <Master's Program in Design>

Faculty (Field of Research)	Detailed Description of Research Field
KOYAMA Shinichi (Product Design)	<ul style="list-style-type: none"> <li>• Psychological and neuroscientific approach to design and design methodology</li> <li>• Kansei and usability evaluation using psychophysiological approach</li> <li>• Research on brain mechanism causing sensory diversity</li> <li>• Design for sensory diversity</li> <li>• Consumer behavior</li> </ul>
HANAZATO Toshihiro (Architectural Design)	<ul style="list-style-type: none"> <li>• Research on Architectural planning, Environmental behavior theory, House and Housing complex</li> </ul>
YAMANAKA Toshimasa (Kansei Information Science)	<ul style="list-style-type: none"> <li>• Kansei Information Modeling in creative process</li> <li>• Convergence design methodology based on Kansei and cognitive information</li> <li>• Kansei information analysis using physiological, psychological and behavioral measurements</li> <li>• Train up skilled designer in product and environment with high level of problem solving in kansei aspect such as satisfaction</li> </ul>
YAMAMOTO Sari (Art and Design Science)	<ul style="list-style-type: none"> <li>• Color, environmental color and color planning</li> <li>• Public Design: especially public sign, shared-space, public transportation</li> <li>• Constructive Design theory, theory of form and color</li> </ul>
KAIJIMA Momoyo (Architectural Design)	<ul style="list-style-type: none"> <li>• Theory of architectural design in technical and aesthetical aspects.</li> <li>• Spatial construction of architecture and city based on architectural behaviorology</li> <li>• Regional development with architectural behaviorology</li> </ul>
YAMADA Kyota (Architectural Design)	<ul style="list-style-type: none"> <li>• History of Asian architecture</li> <li>• Research and practice in design for local lived space in Asia</li> <li>• Study of architectural design practice from the perspective of anthropology of design</li> </ul>
YAMADA Hiroyuki (Kansei Design Studies)	<ul style="list-style-type: none"> <li>• Design and Research on communication tool</li> <li>• Research on text based communication process</li> <li>• Fundamentals of Online learning based on design and development of E-learning system</li> </ul>
UCHIYAMA Toshiaki (Information Design)	<ul style="list-style-type: none"> <li>• Human habitual behavior survey and characterization</li> <li>• Entertainment system that synchronizes with user's heartbeat</li> <li>• Interface development for social music interaction</li> </ul>
OTOMO Kuniko (Art and Design Science)	<ul style="list-style-type: none"> <li>• Decorative pattern design, Zuan, Textile design</li> <li>• Constructive Design theory, Design education</li> <li>• Research on issues and design practice in production area</li> </ul>
KATO Osamu (Architectural Design)	<ul style="list-style-type: none"> <li>• Research and practice in architectural design</li> </ul>
TSUJI Yasutaka (Architectural Design)	<ul style="list-style-type: none"> <li>• History of Art and Architecture</li> <li>• Design as methodology to describe histories</li> </ul>

WATARI Kazuyoshi (Environmental Design)	<ul style="list-style-type: none"> <li>• Placemaking, Site-planning and Synthetic design of living environment</li> </ul>
MASUDA Tomoyuki (Neuroscience)	<ul style="list-style-type: none"> <li>• Molecular mechanism of mental disorders and neurodegenerative diseases</li> <li>• Research on Kansei evaluation using neuroscience methods</li> <li>• Design research based on the human anatomy</li> </ul>
★HOSHINO Kiyoshi (Systems and Information Engineering)	<ul style="list-style-type: none"> <li>• Anthropometry, Mathematical modeling of human, application to medicine, design of humanoid and neuroscience</li> </ul>
★HOSHINO Junichi (Systems and Information Engineering)	<ul style="list-style-type: none"> <li>• Entertainment design for enhancing the quality of life</li> <li>• Media art, Game design, Edutainment and Digital story-telling</li> </ul>

Faculty members marked with ★ cannot be assigned as a main academic advisor, but they can advise students under the direction of Faculty members who are not marked with ★.

[Cooperative Graduate School]

UJIKE Hiroyasu (Kansei Ergonomics) (AIST)	<ul style="list-style-type: none"> <li>• Psychological and physiological effects of motion sickness and visual fatigue in human body</li> <li>• Interaction effects of visuo-spatial perception and body movement</li> </ul>
IWAKI Sunao (Kansei Ergonomics) (AIST)	<ul style="list-style-type: none"> <li>• Research on quantitative evaluation of subjective feeling and personality based on neuroimaging and psychophysics.</li> <li>• Development and application of integrative technique to visualize human brain activities using EEG, MEG, and MRI.</li> </ul>
NUNOTA Ken (Architectural Design) (NILIM)	<ul style="list-style-type: none"> <li>• Research on Architectural planning, Building human factors, Building design-related accidents, Barrier-free design and Universal design.</li> </ul>
HIRAMITSU Atsuo (Architectural Design) (NILIM)	<ul style="list-style-type: none"> <li>• Research on architectural acoustics environment (noise, floor impact sound insulation, airborne sound insulation and sound absorption)</li> </ul>
YAMAGUCHI Hideki (Architectural Design) (NILIM)	<ul style="list-style-type: none"> <li>• Research on quality evaluation of lighting environment in architecture (blightness, Glare, Color of light)</li> <li>• Research on Energy conservation technology in lighting system</li> </ul>

(AIST) National Institute of Advanced Industrial Science and Technology

(NILIM) National Institute for Land and Infrastructure Management

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