## HOSEI University Faculty of Engineering and Design
### Department of Architecture

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>① Major</th>
<th>② Seminar or Research subject</th>
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| Kazuko AKAMATSU       | Professor         |         | ① Architectural design and planning  
② Architectural and space design studies: Capturing the environment and space (architectural and urban space) surrounding architectural interiors and exteriors through a variety of fluid elements, such as activity (human activity), time, light, wind, and sound, to study the nature of architectural space for new eras |
| Yoshiaki AMINO        | Professor         |         | ① Building construction, wood architecture,  
② Building construction studies: In terms of the social sustainability, we focus on the building systems and the production process, especially on those of wood buildings. |
| Naomi ANDO           | Professor         |         | ① Architectural planning, urban planning  
② Architectural space research laboratory: It is conceivable that the shared concept people have of space is a factor in generating architectural and urban forms. Studying the relationship between such spaces and forms |
| Akihiko IWASA        | Professor         |         | ① Architectural planning  
② Architectural planning studies: Studying and putting into practice techniques that enhance the function and appeal of a place by focusing on how architectural and urban spaces are used and the comportment of people within them |
| Shun KAWAKUBO        | Associate Professor |         | ① Sustainable Buildings and Cities  
② Sustainable buildings and cities research laboratory: Undertaking interdisciplinary research across a variety of research domains, such as environmental engineering, geographic information studies, public health, and economics, to realize sustainable buildings and cities |
| Ko KITAYAMA           | Professor         |         | ① Architectural design, urban design  
② Architectural and urban design laboratory: Urban recycling and research into vulnerable cities |
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<th>Name</th>
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| Taketo SHIMOHIGOSHI| Professor   | ① Architectural design, urban design  
② Architectural and urban space studies: Analyzing human and cultural phenomena inherent in architecture and cities and exploring architectural design techniques that incorporate future-oriented sustainability |
| Masahiko TAKAMURA | Professor   | ① Architectural history and design  
② History and design laboratory: Study of the culture and history of cities and architecture in multiple regions in Japan and Asia, including China, Thailand and Vietnam |
| Kiyotaka DEGUCHI  | Professor   | ① Architectural environments  
② Architectural and environmental equipment research laboratory: Research into air conditioning equipment and air and heating environments to improve the comfort of humans in buildings and achieve energy savings |
| Hideaki HAMADA    | Associate Professor | ① Architectural structures  
② Structural design laboratory: Exploring holistic design approaches in structural design that bring forth well balance of the aesthetics, rationality, and safety, based on both theoretical and practical perspective, in light of the wisdom of our predecessors and the latest technology |
| Nagayuki YOSHIDA  | Professor   | ① Architectural structures  
② Architectural structures laboratory: Engaging theoretically in unsolved issues and undeveloped fields in the design of architectural structures from the standpoint of numerical analysis. Topics are building and ground vibration and the dynamics of large space structures |
| Makoto WATANABE  | Professor   | ① Architectural design and urban design  
② Architectural and urban design laboratory: Currently studying prototypes for collective housing suitable for the new family structures and conditions for museums in the 21st century |
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<tr>
<td>Daisuke UCHIDA</td>
<td>Associate Professor</td>
<td>Facility design—steel structures</td>
<td>① Steel structure laboratory: Study on design and maintenance of steel bridge. Study on fatigue strength improvement method and fatigue strength evaluation method of welded joint. Study on repair and retrofitting for steel bridge structures. ② Steel structure laboratory: Study on design and maintenance of steel bridge. Study on fatigue strength improvement method and fatigue strength evaluation method of welded joint. Study on repair and retrofitting for steel bridge structures.</td>
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<td>Hisakazu SAKAI</td>
<td>Professor</td>
<td>Environmental systems—geotechnical earthquake engineering</td>
<td>① Environmental systems—geotechnical earthquake engineering ② Earthquake disaster prevention engineering laboratory: Numerical and statistical studies on mitigations of the disaster damage to human and their social activities caused by earthquakes. Especially, we focus on the rapid restoration of the damaged lifeline for the suffering people in the disaster area after a severe earthquake.</td>
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<td>Yoshiharu SUZUKI</td>
<td>Professor</td>
<td>Environmental systems—hydrometeorology, hydrological environmental studies</td>
<td>① Environmental systems—hydrometeorology, hydrological environmental studies ② Hydrometeorological and environmental research laboratory: Studying topics relevant to how best humankind and the natural environment can co-exist, including explication of rainfall phenomena, such as torrential rain, and its application to engineering and disaster prevention, evaluation of the effect of global environmental issues, with a focus on global warming and atmospheric pollution, and achieving appropriate watershed management that takes account of land use and hydrological characteristics</td>
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<td>Kimio TAKAMI</td>
<td>Professor</td>
<td>Urban planning—urban planning, urban design</td>
<td>① Urban planning—urban planning, urban design ② Urban design laboratory: Exploring the form cities should take, including comfortable space and pleasing urban landscapes that leverage climatic and geographical features, in addition to exploring the function of cities and appropriate urban foundations, and studying methods for designing and achieving such forms</td>
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| Tsuneaki FUKUI      | Professor  | ① Urban planning—Architecture of infrastructure and environment  
                        ② Laboratory of architecture of infrastructure and environment: Approaches and methods for creating and preserving regional landscape by design, planning and management of public spaces and structures. Regional history, spatial awareness and evaluation are also included. |
| Chikako FUJIYAMA     | Professor  | ① Facility design—concrete engineering, bridge structures  
                        ② Hybrid structure research laboratory: Structural design associated with recently developed materials and enhanced numerical analysis was studied. Damage mechanism of steel-concrete composite bridge deck, for instance, has been investigated based on experiments and numerical analysis. |
| Toshiaki MIZOBOCHI  | Professor  | ① Facility design—Construction materials  
                        ② Construction materials research laboratory: Learning how concrete changes due to environmental influences in the surroundings and undertaking research through experiments and analyzes, on what needs to be done to create concrete better and more in harmony with nature |
| Kohji MICHIOKU      | Professor  | ① Environmental systems—environmental hydraulics  
                        ② Laboratory for environment of inland waters: Evaluating impacts of river restoration works on the environmental system such as hydrology, morphology, water quality, fauna and flora, etc. and investigating design strategies for creation of the sustainable river system for flood control and water use. |
| Kiyoe MIYASHITA      | Professor  | ① Urban planning—urban planning, analysis of space  
                        ② Space analysis laboratory: Building data bases of urban planning, social and economic and environmental indices for use in space evaluation and strategic environmental assessment, and developing 3DVRs as a way to provide information to encourage citizen participation |
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<th>Ryuichi WATANABE</th>
<th>Lecturer</th>
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<td>① Urban planning—structural and bridge design, communication design</td>
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<td>② Beyond Aesthetics. Designing is not solution to solve each single problem, but integrated and sustainable approach to solve multiple problems by individual element. The laboratory has developed a comprehensive range of research for bridges and infrastructure. The research is focused on the design process to create innovative, integrated and sustainable solution, include the production and assembly process. And we think communication to share the direction is key in this process.</td>
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| Shin AZUMI      | Professor      | Creation    | ① Creation  
② Humanity design laboratory: Based on the research and the analysis of our life and culture, we try to develop diverse and provocative new design ideas which challenge and question the sense of value to our society. |
| Masami IWATSUMI | Professor      | Technology  | ① Technology  
② Smart machine design laboratory: We are developing user interfaces with high-level information that fuses real and virtual environments and new devices with novel functions. |
| Hisato KOBAYASHI| Professor      | Technology  | ① Technology  
② Universal Design Laboratory: We are studying concepts and design methods for developing mechatronics systems that realize sophisticated intelligent usability for all people. |
| Kozo SATO       | Professor      | Creation    | ① Creation  
② Function and formative design laboratory: Starting from the question of what humans are, studying the wellspring of human creativity that gives rise to new beauty, and new social quality and value, and the relationship between humans and things in design |
| Norio TAKEUCHI  | Professor      | Technology  | ① Technology  
② Digital engineering laboratory: Studying simulation techniques for designing "products" and "social infrastructure systems" that are human and environment friendly and safe |
| Yutaka TANAKA   | Professor      | Technology  | ① Technology  
② Advanced mechatronic design laboratory: Studying advanced design of mechanisms, actuators, sensors and human interface for environmental friendly mechatronics system |
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| Masahito TSUCHIYA   | Professor | ① Creation  
② Interface design laboratory: Studying interface design to realize a high level of *Kansei* (emotional/sensitive) value, such as enjoyment in use and pleasurable operation, in addition to alleviation of physical and cognitive load from operation |
| Yasuyuki NISHIOKA   | Professor | ① Management  
② Information management design laboratory: Studying business models of manufacturers and service enterprises, we are developing a method of new software and information systems from the holistic view of design and engineering |
| Koji NONOBE         | Professor | ① Management  
② Optimization management design laboratory: Studying optimization and quantitative methods for providing customers with high quality of products and services efficiently and in a timely manner |