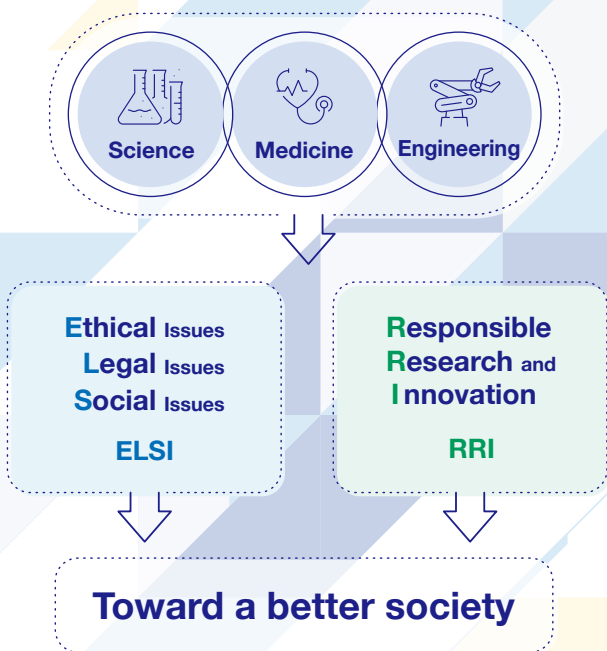


Envisioning the Future and Co-Creating a Better Society

Rapid advances in science, medicine, and engineering have enriched our lives. At the same time, when conducting cutting-edge research or applying its results to society, a range of ethical, legal, and social issues (ELSI) may arise.

The Uehiro Division for Applied Ethics was launched in 2024, made possible by a generous donation from the Uehiro Foundation on Ethics and Education.

Guided by the principles of responsible research and innovation (RRI), the division envisions a future shaped by diverse advanced scientific and technological fields and works toward co-creating a better society.



<https://en.uehiroethics.hiroshima-u.ac.jp/en/>



Uehiro Division
for Applied Ethics
Hiroshima University

1-7-1, Kagamiyama, Higashi-Hiroshima 739-8521 JAPAN

Building on the past,
Caring for the future

Our Activities

1 Engagement in ELSI Research

Drawing on expertise in ethics and history, we pursue ELSI research in collaboration with researchers and research groups from diverse disciplines and backgrounds.



2 Promoting RRI

Working together with diverse stakeholders, we articulate our vision for the society and future we aspire to, reflect on how society should be shaped in light of that vision, and strive to build a better future in harmony with science and technology.



3 Developing Experts in Applied Ethics

Through various initiatives related to ELSI and RRI, we aim to cultivate experts who will help shape the future of applied ethics.

Securing and Nurturing Talent	With the broad utilization of advanced technologies in mind, we seek to identify and nurture talent capable of providing input on legal regulations and governance at both the domestic and international levels.
Stable Knowledge Production	By encouraging our members to work on projects in teams, we aim for stable and consistent knowledge production.
International Collaboration	To create a better international community, we actively promote international collaborative research. Through this, we seek to cultivate globally engaged talent capable of contributing to responsible science and technology development and implementation in society.

Our Research Projects

ELSI/RRI in Advanced Science

How can scientific research be made more open to society?



ELSI/RRI in Advanced Medicine

How can advanced medicine help create a society in which everyone can live well?



ELSI/RRI in Advanced Engineering

How should new technologies be developed in socially desirable ways?



ELSI/RRI Methodology

How can the voices of citizens and stakeholders be incorporated into research and innovation?



For more details, please see our website

<https://en.uehiroethics.hiroshima-u.ac.jp/en/projects/>



PICK UP

ELSI in Digital Haptics Technology

Digital haptics technology converts tactile information into digital data, enabling the reproduction, enhancement, and extension of touch sensations. Its applications are expected in healthcare, education, and entertainment fields. For example, by digitally reproducing the weight or impact of objects in virtual environments alongside visual and auditory information, digital haptics can provide more immersive gaming and leisure experiences. Looking ahead, it is also anticipated that physicians may use digital haptics technologies to perform remote palpation or even conduct remote surgical procedures.

While such broad applications are envisioned, the ethical, legal and social issues (ELSI) associated with digital haptics have not yet been sufficiently examined. We promote responsible research and innovation with an eye toward future societal implementation by collaborating with engineering research groups centered at Hiroshima University and discussing nascent ELSI issues from the R&D stage of digital haptics.

Members



Professor / Director	Itaru Nagasaka
Professor / Vice Director	Tsutomu Sawai
Associate Professor	Masanori Kataoka
Associate Professor	Chie Kobayashi
Assistant Professor	Shu Ishida
Assistant Professor*	Yuhei Yoshioka
Researcher	Gyo Nakao
Researcher	Kiichi Inarimori
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