

## Scinob KUROKI Ph.D student

---

Department of Information Physics and Computing  
Graduate School of Information Science and Technology  
The University of Tokyo  
7-3-1, Hongo, Bunkyo-ku, Tokyo 113-8656, Japan  
Phone: +81-3-5841-6880  
Fax: +81-3-5841-6882

## Education

---

- 2002-2006: B.A. in Engineering, Faculty of Engineering, The University of Tokyo.  
Advisor: Dr. Takaaki Nara
- 2006-2008: M.A. in Information Science and Engineering, Graduate School of Information Science and Technology, The University of Tokyo.  
Advisors: Dr. Naoki Kawakami & Susumu Tachi
- 2008-present: Ph.D in Information Science and Engineering, Graduate School of Information Science and Technology, The University of Tokyo.  
Advisors: Dr. Kunihiko Mabuchi
- Student apprentice, NTT Communication Science Laboratories  
Advisors: Dr. Junji Watanabe & Shin'ya Nishida
- Visiting Researcher, Keio University Graduate School of Media Design  
Advisors: Dr. Susumu Tachi

## Research Interests

---

Coordinate transformation in Touch

- Haptic system has multiple and hierarchical spatial representations of sensory signals due to highly mobile sensors such as fingers. How and when the brain remap cutaneous signals from skin coordinate to world-centered coordinate?

### Distance Effect on Tactile Judgments

- Is there any difference when we perceive stimuli on one hand or both hands? Is there any difference when we perceive stimuli with near-placed hands or far-placed hands? How do the somatotopic v.s. spatiotopic distances between stimuli modulate our perception?

### Tactile Motion Processing across the Channels

- Are the neural representations of tactile motions between kinds of receptors independent or shared? How does adaptation represent the similarity of systems?

### Grants, Fellowships, and Honors

---

2008-2011: JSPS Research Fellow  
2008: VRSJ Encouragement Prize  
2009: ECVF Student Travel Fellowship Award

### Publication

---

Shinobu Kuroki, Junji Watanabe, Naoki Kawakami, Susumu Tachi, and Shin'ya Nishida (2010). "Somatotopic dominance in tactile temporal processing", *Experimental Brain Research*, 203, 51-62.

### Related Conferences

---

Euro Haptics  
World Haptics  
SIGGRAPH