International Symposium

"Future of Shitsukan Research"

Date : July 16-17, 2014

Place: Institute of Industrial Science, the University of Tokyo

4-6-1 KOMABA MEGURO-KU, TOKYO 153-8505, JAPAN

http://www.iis.u-tokyo.ac.jp/access_e/access_e.html

Program

Wednesday, July 16

9:30～9:35 Opening Remarks

9:35～10:20

Kavita Bala (Cornell University, USA)

"Materials in the wild: crowd sourced annotations of surface appearance"

10:20～11:10

Edward H. Adelson (Massachusetts Institute of Technology, USA)

"How should we study material perception?"

※ Internet presentation from Boston

11:10～11:30 Break

11:30～12:05

Hidehiko Komatsu (National Institute for Physiological Sciences, Japan)

"Neural representation of gloss in visual cortex"

12:05～12:50

Charles E. Connor (Johns Hopkins University, USA)

"Visual inference of 3D shape from surface information"

12:50～13:50   Lunch

13:50～14:35

  Barton L. Anderson (University of Sydney, Australia)

   "Is 'inverse optics' actually ill-posed?"

14:35～15:10

  Shin'ya Nishida (NTT Communication Science Laboratories, Japan)

   "Shitsukan perception from multiple sensory attributes and modalities"

15:10～15:45

  Manabu Honda (National Center of Neurology and Psychiatry, Japan)

   "Inaudible high-frequency sounds affect brain activity and improve sound quality:
    hypersonic effect"

15:45～16:05 Break

16:05～16:50

  Sliman J. Bensmaia (University of Chicago, USA)

   "Spatial and temporal mechanisms mediate the tactile perception of texture"

16:50～17:00 Photo Session

17:00～18:30 Poster Session

19:00～   Banquet

Thursday, July 17

9:00～9:45

   Hendrik Lensch (Tübingen University, Germany)

    "Capturing bispectral reflectance and reradiation"

9:45～10:20

   Shinsaku Hiura (Hiroshima City University, Japan)

    "Precise separation of reflection components"

10:20～10:40　Break

10:40～11:15

   Shigeki Nakauchi (Toyohashi University of Technology, Japan)

    "Material perception for real objects"

11:15～12:00

   Qasim Zaidi (SUNY College of Optometry, USA)

    "Parallel processing advantages for shape and material perception"

12:00～13:00　Lunch

13:00～13:35

   Imari Sato (National Institute of Informatics, Japan)

    "Spectral modeling of reflective-flluorescent scenes"

13:35～14:20

   Ko Nishino (Drexel University, USA)

    "Material recognition from images"

14:20～14:55

   Izumi Ohzawa (Osaka University, Japan)

    "Separating response dimensions of visual neurons"

14:55～15:15　Break

15:15～16:00

　James J. DiCarlo (MIT, USA)

　　"Mechanisms underlying visual object recognition: perception vs. neurons

　　　vs. machines"

16:00～16:45

　Roland W. Fleming (University of Giessen, Germany)

　　"Internal models in material perception"

16:45～16:50　Closing Remarks