

---

# International Workshop on Legged Locomotion for Young Researchers

---

April 27<sup>th</sup> - 28<sup>th</sup> , 2007

Media Laboratory,  
Massachusetts Institute of Technology,  
Cambridge, MA, United States of America

Organized by



Biomechatronics group, MIT Media Lab  
<http://biomech.media.mit.edu/>



HUROBINT Japanese Student Association  
<http://www.koj-m.sakura.ne.jp/hurobint/>

Sponsored by

MIT Media Lab / MIT Museum

# PROGRAM

## Laboratory Tour on April 27<sup>th</sup> (FRI)

**09:45-10:00** Laboratory Tour Registration (at MIT Museum)

---

**10:00-11:00** MIT Museum  
Website: <http://web.mit.edu/museum/>

---

**11:00-12:00** Field and Space Robotics Laboratory, MIT MECHA  
Director: Prof. Steven Dubowsky  
Website: <http://robots.mit.edu/>

---

12:00-13:00 <Lunch>

---

**13:00-14:00** Robot Locomotion Group, CSAIL  
Director: Prof. Russ Tedrake  
Website: <http://groups.csail.mit.edu/locomotion/index.html>

---

**14:00-15:00** Special Lecture: Prof. Hugh Herr

---

15:00-15:30 <Coffee Break>

---

**15:30-16:30** Biomechatronics Group, MIT Media Lab  
Director: Prof. Hugh Herr  
Website: <http://biomech.media.mit.edu/>

---

**16:30-17:30** Robotic Life Group, MIT Media Lab  
Director: Prof. Cynthia Breazeal  
Website: <http://robotic.media.mit.edu/>

---

**17:30-18:30** Tangible Media Group, MIT Media Lab  
Director: Prof. Hiroshi Ishii  
Website: <http://web.media.mit.edu/~ishii/>

---

[Conductors: Ken Endo, Kenjiro Tadakuma, Fumiya Iida]

# PROGRAM

## Workshop on April 28<sup>th</sup> (SAT)

09:00-09:10 Introduction [Ken Endo & Kojiro Matsushita]

---

### Plenary Talk

09:10-10:10 Prof. Russ Tedrake

---

- Break (10mins) -

---

### 1st Session: Biomechatronics [Chairperson: Ken Endo]

10:20-10:50 Akihiro Yamakawa & Shingo Takenaka (Tokyo Univ., Japan)

10:50-11:20 Hartmut Geyer (MIT, USA / Jena Univ., Germany)

11:20-11:50 Sam Au (MIT, USA)

11:50-12:20 Conor J. Walsh (MIT, USA)

---

- Lunch Break (1h00m) -

---

### 2nd Session: Walking Robot Control [Chairperson: Kojiro Matsushita]

13:20-13:50 Koji Terada (Tokyo Univ., Japan)

13:50-14:20 Kenji Hashimoto (Waseda Univ., Japan)

14:20-14:50 Andreas Hofmann (MIT, USA)

---

- Break (20mins) -

---

### 3rd Session: Robotic Locomotion [Chairperson: Kenjiro Tadakuma]

15:10-15:40 Jonas Buchli (EPFL, Switzerland)

15:40-16:10 Takashi Takuma (Osaka Univ., Japan)

16:10-16:40 Fumiya Iida (MIT, USA / Zurich Univ., Switzerland)

16:40-17:10 Alec Shkolnik (MIT, USA)

---

### 4th Session: Poster & Free Discussion

17:10-18:30 Poster Session

---

18:30-20:30 Banquet

## COMMITTEE

---

### MIT SIDE

---

Ken Endo

Biomechatronics Group, Media lab, MIT

Hartmut Geyer

Biomechatronics Group, Media lab, MIT /  
Locomotion Group, The University of Jena, Germany

Ernesto Martinez

Biomechatronics Group, Media lab, MIT

Kenjiro Tadakuma

Field and Space Robotics Laboratory, MECHE, MIT /  
Hirose Robotic Lab, Tokyo Institute of Technology

Fumiya Iida

Robot Locomotion Group, CSAIL, MIT /  
AI Lab, The University of Zurich, Switzerland

---

### JAPAN SIDE

---

Kojiro Matsushita

Developmental Cognitive Machines Lab, The University of Tokyo  
[Private] <http://www.koj-m.sakura.ne.jp/>  
[Laboratory] <http://www.robot.t.u-tokyo.ac.jp/index.html>

Masayuki Hara

Yabuta Lab, Yokohama National University  
<[http://www.todo.me.ynu.ac.jp/masayuki/index\\_e.htm](http://www.todo.me.ynu.ac.jp/masayuki/index_e.htm)>

Masao Morita

Developmental Cognitive Machines Lab, The University of Tokyo