

**From:** Art Kimura <art@higp.hawaii.edu>  
**Subject:** **1st Hawaii International Micro Robot Conference and Tournament registration now open**  
**Date:** April 28, 2010 12:11:29 AM HST  
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▶ 1 Attachment, 417 KB

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Registration is now open for the 1st International Hawaii Micro Robot Conference and Tournament to be held at the Imiloa Astronomy Center, Hilo, Hawaii, July 16-19, 2010. Open to current high school and university students, faculty, industry mentors and anyone interested in micro mechanisms for future research and development, three strand options are provided as follows:

Strand A: EasyBot design and construction (3 sessions), EasyBot programming (3 sessions)

Strand B: EasyBot design and construction (3 sessions), one Cubic Centimeter design and construction, introduction to electronics through the Letry robot, BrushBot and outreach programs in support of a micro robot program

Strand C: EasyBot programming (3 sessions), one Cubic Centimeter design and construction, introduction to electronics through the Letry robot, BrushBot and outreach programs in support of a micro robot program

Registration fee: \$25 for high school and university students; \$50 for all others

\*includes opening dinner on July 16 and closing lunch on July 18 at the Imiloa Astronomy Center, workshop materials including Letry Robot kit B001, (<http://www.letry.com.tw/welcomeeng.html>), EasyBot, one Cubic Centimeter bot and/or BrushBot materials depending on strand selection.

Limited to 90 participants, 30 per strand. The EasyBot and the one Cubic Centimeter bot will be eligible for participation in the micro robot tournament on July 18; the tournament is modeled after the International Micro Robot Maze Contest that takes place annually at Nagoya University, Japan ([http://imd.eng.kagawa-u.ac.jp/maze/index\\_e.html](http://imd.eng.kagawa-u.ac.jp/maze/index_e.html)). Waiakea High School's Robotics Club has participated in this international contest in 2007, 2008, and 2009 and plans to participate in 2010 (November 7, 2010).

A free public event will take place, July 17, evening, featuring Hidenori Ishihara with his origami workshop and BrushBot workshop and competition.

Honorary co-chair persons: Dr. Song Choi, Assistant Dean, College of Engineering, University of Hawaii; Hidenori Ishihara, robotics professor, Kagawa University, Shikoku, Japan

Why micro robots?

• Micro mechanisms: application for medicine, security, search and rescue

• Potential for developing industry

• Unique skill sets of value to future education and work

And...you can carry all your robots in your pocket

For high school instructors, you are also welcome to bring current 8th grade students who will be joining your high school robotics team in the fall, 2010 if you are able to supervise them throughout the conference and tournament.

We hope to see you at the conference; if there are any questions, please let me know. Art Kimura, art@higp.hawaii.edu; phone (808) 934-7261

Mahalo to our sponsors: County of Hawaii Research and Development, Robotics Organizing Committee/Friends of Hawaii Robotics, Thirty Meter Telescope, Imiloa Astronomy Center, Subaru Telescope, Waiakea High School Robotics, Hawaii Space Grant Consortium.

July 16, 2010, Friday

1700 registration

1800-2000 welcome, opening keynote/Hidenori Ishihara, hosted dinner, Imiloa Moanahoku

July 17, 2010, Saturday

0800 registration

0830 keynote

0900-1030 workshop session I

1045-1215: workshop session II

Bot

1215-1315: lunch

1315-1445: workshop session III

1500-1630: workshop session IV

1830-2000: public event

Strand A

Strand B

Strand C

Moanahoku

EasyBot I

Moanahoku

EasyBot II

Moanahoku

EasyBot III

Programming I CC Bot

Subaru

Moanahoku

Programming I

Subaru

Programming II

Subaru

Programming III

Programming I CC Bot

Classroom

Moanahoku

CC Bot

Classroom

Letry

Classroom

Programming III

EasyBot I

Moanahoku

BrushBot

July 18, 2010, Sunday

0830 keynote

0900-1030 workshop session V

1045-1215: workshop session VI

III

Programming II

Subaru

Programming III

Subaru

Letry Bot

Classroom

BrushBot

Classroom

EasyBot II

Moanahoku

EasyBot

Moanahoku

1215-1315: hosted lunch, keynote, Imiloa Moanahoku

1315-1630 micro robot tournament, Imiloa Moanahoku

1630-1730: awards, closing, Moanahoku

July 19, 2010, Monday (optional)

0900-1100: panel discussion on future of micro robots and micro mechanism,  
in relation to education and to future research and development, Moanahoku

Art Kimura

Future Flight Hawaii

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