



**MICRO
ROBOTICS**

You are invited to join us at the....

**1st Hawaii International Micro Robot Conference and Tournament
July 16-19, 2010**

‘Imiloa Astronomy Center of Hawai‘i, Hilo Hawai‘i
inspiring and engaging the next generation

Goal: stimulate high technology education and assist in creating a technically capable workforce by developing the infrastructure and skill sets necessary to support high technology robotics-based activities as programs for potentially larger efforts, and as a result, increasing the number of students who have access to micro robotics, a program that is transitional between high school and college.

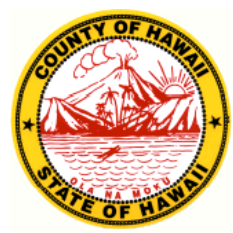


<http://www.imiloahawaii.org>

Honorary Co-Chairpersons
Hidenori Ishihara, Robotics, Kagawa University
Dr. Song Choi, College of Engineering, University of Hawaii



Sponsors



Why Robotics?

<http://www.hanahou.com/pages/Magazine.asp?Action=DrawArticle&ArticleID=790&MagazineID=50>

- It is not about building robots but building **critical life skills....teamwork, problem solving, time management, effective communication.**
- It is about raising the bar and expectations for students through national and international competitions, and providing a measurable standard.
- It is about catalyzing **interest in STEM career paths....it is about developing a work force for the 21st century.**
- It is about making abstract concepts concrete, making learning relevant and engaging. It is about innovation needed to solve global issues.
- It is about **“collective genius,”** collaborating on a global scale.

Conference program to include:

1. a micro robot tournament (for high school and college level students)
2. workshops (design/construction of EasyBot and 1 cubic centimeter robots which will be eligible to be entered in micro robot tournament, introduction to electronics with the Letry robot kit, EasyBot programming, outreach program through brushbot)
3. presentations by students, university faculty, industry representatives
4. brushbot and origami workshop for students and parents/teachers (open to the public through pre registration)
5. discussion group on application of micro mechanisms



Hawaii International Micro Robot Conference and Tournament

Registration: \$ 50 (adult), \$ 25 (high school/university student)

**includes opening dinner and closing lunch*

For further information and registration contact Art Kimura, Hawaii Space Grant Consortium, email: art@higp.hawaii.edu

**limited to 90 participants; limited enrollment of 30 participants in each strand*

July 16, 2010, Friday

1700 registration

1800 welcome, opening keynote, hosted dinner

July 17, 2010, Saturday

0830 keynote

0900-1030 workshop session I

1045-1215: workshop session II

1215-1315: lunch; 1315-1445: workshop session III

1500-1630: workshop session IV

1830-2000: brushbot and origami public event

July 18, 2010, Sunday

0830 keynote

0900-1030 workshop session V

1045-1215: workshop session VI

1215-1315: lunch

1315-1630 micro robot tournament

1630-1730: awards, closing

July 19, 2010, Monday

0900-1100: panel discussion

Strand A: EasyBot (3 sessions), EasyBot programming (3 sessions)

Strand B: 1 CC bot, Letry bot, brushbot, EasyBot (3 sessions)

Strand C: EasyBot programming (3 sessions), 1 CC bot, Letry bot, brushbot

Castle Hilo Hawaiian Hotel

<http://www.castleresorts.com/home/accommodations/hilo-hawaiian-hotel>

71 Banyan Dr, Hilo, HI 96720; phone: (808) 935-5361

for special conference rates, email Linda Nako, Lnako@castleresorts.com (a registration form will be sent with confirmation of registration)

2010 Hawaii International Micro Robot Conference and Tournament Registration

Please print legibly or type. Incomplete applications cannot be processed and will be returned.

Last name	First Name	Phone	
Mailing address	City	State	Zip Code
Email address			
T shirt size (circle one)	adult X large	adult large	adult medium adult small

Select strand (limited enrollment per strand)—prioritize 1, 2, 3

Strand A: EasyBot (3 sessions), EasyBot programming (3 sessions)

Strand B: 1 CC bot, Letry bot, brushbot, EasyBot (3 sessions)

Strand C: EasyBot programming (3 sessions), 1 CC bot, Letry bot, brushbot

Check if attending (included in registration) Opening Dinner, July 16, 2010 Closing Lunch, July 18, 2010

Check one

<input type="checkbox"/> High school student (as of January 1, 2010: grade 8 9 10 11 12)	Name of school
<input type="checkbox"/> University student (as of January 1, 2010: freshman sophomore junior senior)	Name of university
<input type="checkbox"/> High school teacher (name of school	subject area)
<input type="checkbox"/> University faculty (name of university	subject area)
<input type="checkbox"/> Industry (name of company)
<input type="checkbox"/> other (organization)

ACCIDENT, MEDICAL, AND MEDIA RELEASE (for students, ages 17 and below)

We, _____ (names of parents or guardians), parents of _____ (name of student), who is attending the International Micro Robot Conference and Tournament, release all officers/directors/staff members of the Imiloa Astronomy Center, the County of Hawaii, the Friends of Robotics, the Subaru Telescope Project, the Hawaii Space Grant Consortium, Waiakea High School and all sponsoring agencies and/or organizations of any claim for damages, liability, injury, expense, or loss on account of any negligence or other wrong doing that may occur while our child is attending *the International Micro Robot Conference and Tournament*. We also agree to indemnify and hold harmless those persons of the above stated organizations on any claim arising out the activities under this agreement. In case of accident or need for medical attention, we give permission to the Micro Robot Conference and Tournament staff members to take our child, _____ (name), to a doctor, dentist and/or emergency medical facility. It is understood that the cost for treatment will be borne by the parent or guardian.

FATHER'S OR LEGAL GUARDIAN'S SIGNATURE DATE

MOTHER'S OR LEGAL GUARDIAN'S SIGNATURE DATE

*Registration fee: high school and university student: \$25; other: \$50. Payment: registration must be paid in full and mailed with a completed registration form. Make personal check, money order, or cashier's check payable to **RCUH (Research Corporation of the University of Hawaii)** and mail to: Hawaii Space Grant Consortium, University of Hawaii, P.O. Box 6412, Hilo, HI 96720*