

2009 MATE-BIRR Competition Team Registration Form & Receipt

ROVs: The Next Generation of Submarine Rescue Vehicles

www.marinetech.org/rov_competition/index.php

1. Register on the website above; **priority deadline Feb 7, 2009:** Explorer, Ranger & Scout Classes. **Cancellation date with full refund – February 21, 2009. Deadline: Mar. 20, 2009. Registration fee must be received by this date or team will be assessed an additional \$25 late registration fee.**
2. **Mail this form with \$100 registration fee or attach scholarship application to:**

MATE-BIRR
c/o Cindy Fong – Regional Coordinator
Hilo Intermediate School
587 Waiuanuenue Avenue
Hilo, HI 96720

Checks should be made out to “MATE-BIRR c/o Hilo Intermediate School - Robotics”.

Scout Class

Ranger Class

Explorer Class

School & Team Name	
Address	
City, State Zip Code	
Advisor/Contact Person	
Phone Number (s)	
Email	

Team Roster (Changes to roster MUST be received by Mar 20, 2009!) List will be used for the program roster, nametags, and eligibility for MATE-BIRR contests & awards.			
#	Status	Name (last, first)	Email Address
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Status: grade level (6,7,8,9,10,11,12, college), mentor, advisor...

School & Team Name	
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Each team will be provided 5 T-shirts & 5 coupons for lunch from the concession stand as part of their registration fee. Additional T-shirts must be pre-ordered.

2009 MATE-BIRR T-Shirt Order		
Quantity	Adult sizes	
	Small	
	Medium	
	Large	
	X-Large	
	XX-Large (additional \$1/shirt required!)	
Total Quantity		Additional payment of \$10/shirt; \$11/t-shirt for XX-Large or greater for quantities above 5.

M.U.D Wrestling (Mentor Underwater Demonstration): Will mentor/advisor participate? YES NO
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2009 MATE-BIRR Registration Fee and Other Fees		
Quantity	\$ Cost	Description
		2009 Registration Fee - \$100/team
		Late Registration Fee after Feb. 21, 2009 - \$25/team
		Additional T-shirts (\$10/shirt S-XL, \$11 XXL plus)
		Additional Lunch coupons: Total # _____ x \$5 = <i>Note: 5 lunch coupons provided per team</i>
		Additional supplies, equipment
		Donations to MATE-BIRR
		Other:
Grand Total Due		Registration and other costs. Thank You for Support!

Date Received:

Applied for Scholarship if qualified? Yes No

2009 MATE-BIRR Competition Information
ROVs: The Next Generation of Submarine Rescue Vehicles
www.marinetech.org/rov_competition/index.php

MATE-BIRR has some modifications to the rules as stated in the MATE documents. Priority registration deadline is **Saturday, February 7, 2008** on www.marinetech.org. All teams must register on the MATE website – the MATE International and Regional registrations are the same. Be sure to register your students & mentors! Email Cindy Fong at clfong@hawaii.edu or Bess Jennings at Bess_Jennings@notes.k12.hi.us by this date. Remember – minimum of three students required!

1. How to Register:

- a. <http://marinetech.org/> select ROV Competition, you go to
- b. http://marinetech.org/rov_competition/index.php then select “2009 international competition information”, you go to
- c. http://marinetech.org/rov_competition/2009/index.php select “Click here to register your team”, you go to
- d. http://marinetech.org/rov_competition/2009/registration_start.php either put in your username/password from last year or simply select “Start a New Team Registration” and fill out the information requested. Be sure to include all your mentors and advisors. You can go back to update student names and mentors as needed. If you have problems, please check with Cindy Fong or Jill Zande

2. Forms needed from all participants, mentors, advisors in order to be allowed on pool deck or team area. Video/Media release forms are needed should photo or video be taken in order to publish. If we do not have a release, we will have a sticker for you/student to wear to inform our official photographers or videographers to not take footage.

- a. **County of Hawaii “Release of Claims” Forms (Required!)**
- b. **HIDOE Video Release Form (Adult and Student)** *Note: This is a HIDOE sponsored event.*
- c. **MATE Media Release Form**
- d. **MATE Survey Form – to be completed prior to end of competition. More information will be posted as it becomes available.**
- e. **Additional permission forms will be announced if needed.**

3. MATE-BIRR offers the Ranger and Scout Class Competition. There is a possibility that the Explorer Class will be offered. By popular request, we will continue to offer the “Scout Class” for upper elementary/lower middle school students only. The Scout Class power requirements are 7.5amps, no cameras, and missions conducted in shallow-end of pool. It is designed to engage and inspire our younger students. Contact Cindy Fong if interested in having Scout Class team.

4. Commitment registration fee is \$100 per team. Teams will receive five MATE-BIRR T-shirts and five lunch coupons for items from the concession stand (\$5 value) with this fee. Additional T-shirts must be purchased in advance at \$10/shirt. (Sizes XXL and larger require an additional \$1/shirt).

- a. NOTE: We understand it takes some time to get your school to process a payment. If the fee provides a hardship for your team, please contact Cindy Fong to discuss alternative options including finding sponsors. The main key here is to have students participate in

this fun STEM opportunity – we do not want the registration fee to be a hindrance! The form above is also your receipt, please keep a copy for your records.

5. **No registration fee refunds will be provided after the February 21, 2009 MATE-BIRR workshop.** Teams provided a ROV robotics kit are expected to show up and compete or return their 100% unused kit within two weeks of cancellation or competition, whichever comes first. Other issues - contact the MATE-BIRR Coordinators (Cindy Fong or Pascale Pinner).
6. **All teams are expected to COMPLETE a Service Project of their choice PRIOR to the competition. It is worth 20 points. MATE-BIRR competition is organized and run as a 100% volunteer effort.** The MATE-BIRR committee feels it is important that students participate in a service project to appreciate the efforts and dedication of our community members, advisors/mentors, school, businesses, and government entities.
 - a. Teams should report/discuss/show pictures of the service project that they participated in. Specific details will be included on the score sheets when received.
 - i. 10 points for the Written Technical Report (1 separate page allowed – pictures with captions encouraged)
 - ii. 10 points in the Poster Board/Oral Presentation
7. **Saturday, February 7, 2009: Upward Bound and MATE-BIRR mini-training workshop and public announcement preparation. UHH Student Life Center Pool.**
8. **Saturday, February 21, 2009: MATE-BIRR Workshop: Machine & Electronic facility tours at IFA & Workshops on tool use and soldering by two of IFA's outstanding machinists and electronic personnel (see upcoming announcement). Hands on workshop will be held at Hilo Intermediate School Wood Workshop after the facility tours.**
9. **Saturday, April 25, 2009: UHH PACRC Ocean Day and Pre-Competition Practice Day**
<http://pacrc.uhh.hawaii.edu/>
 - i. All registered teams invited to practice/demonstrate ROVs at PACRC
 - ii. Feasibility dry run for the 2010 MATE International Competition
 - iii. Excellent opportunity for teams to get service learning points
 - iv. Be sure to take photographs and videos to document
10. **ALL TEAMS MUST ASSIST WITH SET-UP AND CLEAN UP! ALL teams are expected to provide at least 1 volunteer to assist on day of competition!**
11. **Technical Report – Limited to a maximum of 5 Pages of written text/diagrams; 1 Cover Page, 1 page dedicated to service project. Anything beyond this will not be read or included in the judging! Late reports will be assess late penalties if read.**
 - a. Cover Page requirements
 - i. Picture of ROV and/or Team Members
 - ii. Team Name
 - iii. Team School and Address
 - iv. Team Members Names
 - v. Team Mentors Names
 - b. An example of what will be allowed on the cover page will be provided on www.marinetech.org website by mid-February 2009. Contact Cindy Fong, MATE-BIRR coordinator for additional information.

- c. An example outline will be provided by mid- to late-February for advisors/mentors to help their students organize their thoughts and write their technical report. It does not have to be used and is only provided as an additional resource.
12. **Technical Report - Electronic .pdf format must be received by Cindy Fong at clfong@hawaii.edu no later than 6PM HST, April 24, 2009 (Friday).** If you are unable to convert to a .pdf format, please contact Cindy Fong at least a week in advance to test other formats. Other formats can be read and converted but advance notice is required! It is recommended to send a test file before the deadline to be sure it is received properly and can be converted to a .pdf file.
- a. **All judges will be sent an electronic .pdf file.**
- b. **All reports will be kept confidential from other teams and mentors until competition day!**
13. **Submit a Team Photo, list of Team Members (identify team captain(s)), and if possible, a short 2-3 paragraph about your ROV team/school by Friday, March 20, 2009.** We are making a booklet/handout of participating teams available at the competition.
14. If you have **SPONSORS**, we would like to include them on our sponsor page that will be published on the www.marinetech.org site, at the MATE-BIRR competition, our competition webpage, and within any packets or publications produced. It is only appropriate to Thank community members and businesses for their support!
15. **Rule modification and MATE-BIRR supplies:**
- a. 3 control shacks for competition, Explorer Class teams will compete at end of Ranger Class missions.
- b. Sparky Kawamoto Pool: **pool depth of 16 feet.**
- c. MATE-BIRR will have available a 6-foot table, 3 chairs/control shack, competition battery, one 6-outlet surge protected electrical strip, one video monitor, and competition props. Be proactive and have contingency plans in place. Teams provide their own display board for the poster session, additional monitors, and any other supplies they deem necessary.
- d. No PowerPoint's.
- e. PFDs will not be provided at the MATE-BIRR competition; however, **everyone must wear safety glasses/goggles and closed toed shoes – no slippers/flip-flops (provide your own).**
- f. ROVs and Teams must be ready no later than 8:30AM. Team captain, lead mentor/advisor, MATE-BIRR coordinators, and judges meet, safety check follows.
- g. Due to limited time pool is available (7:45AM – 4:00PM), teams must be on deck and ready to compete when the prior team is in the control shack performing their missions. This is especially important should that team complete their missions early. We will want the next team to start rather than wait!
- h. **MATE-BIRR allows up to 2 teams per school.** However, only 1 team/school may qualify for a berth to the International MATE ROV competition. For every 10 schools, 1 team may qualify for a berth at the international competition. We allow more than one team to encourage more participation among our island students.
- i. **Competition Day issues with judging must be directed to lead coordinator (Cindy Fong) for resolution.** Team members, mentors, advisors or school personnel or supporters who interrupt judges whom are performing their duty or students conducting their missions while in the control shack, risk having their school team lose points, be disqualified and/or removed from

the competition site. Remember, this competition is for the students and part of their duty is to know the rules and communicate concerns directly to the judges and prior to leaving the competition areas.

- j. **Transportation, lodging and all other costs associated with the MATE International competition is the responsibility of the winning team(s).** MATE-BIRR committee will try to do their best to support the team's attendance.

16. Hilo Intermediate School Science Department and Robotics Club has set up web address hilorobotics.org. Video footage will again be placed on this site for future viewing. Changes to the rules etc are to be posted and discussed on the MATE forum site. Please check there regularly.

17. Friendly reminder: All questions about the competition rules, specs, mission tasks, and mission props MUST be posted to the FAQs board located at <http://www.marinetech.org/discussion/index.php>

- a. Be sure to check this discussion board regularly to stay updated on changes!