

# UNDERWATER ROBOTICS

# GREAT LAKES REGIONAL MATE ROV COMPETITION

## THE MATE COMPETITION AT A GLANCE

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The MATE competition challenges K-12, community college, and university students from all over the world to tackle missions based on scenarios from the workplace. The competition's class structure of beginner, intermediate, advanced-intermediate and advanced complements the educational pipeline by providing students with the opportunity to build upon their skills as they engineer increasingly more complex ROVs for increasingly more complex mission tasks.

The MATE competition requires students to think of themselves as entrepreneurs and transform their teams into companies that manufacture, market, and sell "products." In addition to engineering their ROVs, the students prepare technical reports, poster displays, and presentations that are delivered to working professionals who serve as competition judges.

The MATE competition encourages students to work together, network, and learn from technical professionals and each other. MATE's philosophy is that collaborative learning experiences best simulate the real world and will serve students - and their future employers - well in the workplace.

HOSTED BY  
THUNDER BAY  
NATIONAL MARINE  
SANCTUARY



# ALPENA AREA INFORMATION

For information about visiting Alpena, Michigan go to [www.alpena.cvb.com](http://www.alpena.cvb.com) or call **1-800-4-ALPENA**. Don't forget to visit the exhibits at the Thunder Bay National Marine Sanctuary Visitor Center at 500 W. Fletcher Street in Alpena when you come for the competition!

## SUMMER HOURS:

Summer hours start on Saturday of Memorial Day weekend  
9:00 am - 5:00 pm **MON-SUN**

## EXTENDED SUMMER HOURS:

Extended evening hours in July & August  
9:00 am - 7:00 pm **MON-SUN**

## WINTER HOURS:

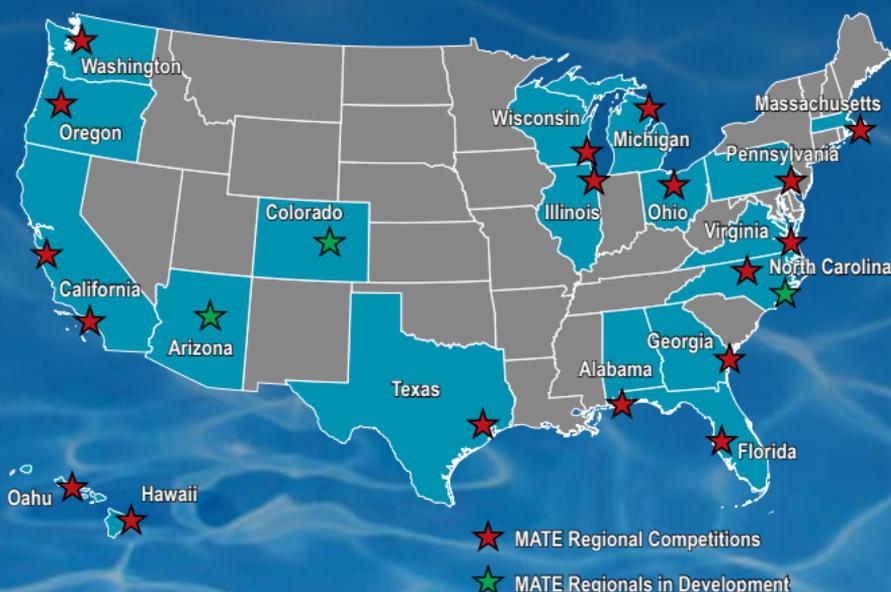
Winter hours start the second Monday in October  
10:00 am - 5:00 pm **MON-SAT**  
12:00 pm - 5:00 pm **SUN**

**QUESTIONS?** Call 989.356.8805 or email [thunderbay@noaa.gov](mailto:thunderbay@noaa.gov)

## MATE REGIONAL ROV COMPETITION NETWORK

The MATE Competition Network began in 2001 and currently consists of 26 regional events that take place across the U.S. and around the world.

MATE International Regional Competitions are held in: Bermuda, Canada (Newfoundland & Labrador and Nova Scotia), Egypt, Hong Kong, Scotland, Russia, and Turkey.



**GREAT LAKES REGIONAL EVENT IS HELD IN ALPENA, MI EACH SPRING.**



For more information on the Great Lakes Regional event go here:  
[www.marinetech.org/regional-contest](http://www.marinetech.org/regional-contest)

**VISIT US AT THUNDERBAY.NOAA.GOV**