UNI/Central Rivers AEA Regional Physics Competition (March 26, 2019)

Date and Location
The University of Northern Iowa/Central Rivers Regional Physics Competition will be held at the McLeod Center at the University of Northern Iowa campus in Cedar Falls on Tuesday, March 26, 2019.

Physics Competition Events
The events for the 2019 competition include the following:

- Catapult
- Mousetrap car
- Bridge building
- Soda straw arm
- Challenge problem

The overall school team score will be the sum of the 5 event scores with the highest scoring school team being declared the UNI/Central Rivers Physics Competition Grand Champion.

All information about the State of Iowa Physics Competition and the UNI/Central Rivers Regional Physics Competition including rules and forms may be found at http://www.physics.uni.edu/outreach/uni-physicsolympics. Some modifications have been made to all of these events. Refer to the rules as you help prepare your students for the competition. Please note that the state competition will be held on April 9, 2019 (Tuesday) at the University of Northern Iowa McLeod Center in Cedar Falls.

UNI/Central Rivers AEA Regional Competition Schedule
7:00 am Set Up
8:00 am School Team and Event Registration Begins (Including Sign-up for time slots for teams to compete in challenge problem) @ Registration Table
8:15 am Judges and Scorers meet with Coordinator
8:30 am Check-In for All Events Begins
Meeting of Teachers with Coordinator
9:00 am Welcoming Remarks
All Events Begin
12:15 pm Announcement and Presentation of Individual Event Awards
School Team winners will be announced later.
Presentation of Awards
12:30 pm Approximate Ending Time

Who Can Participate?
The UNI/Central Rivers Regional Physics Competition is for high school students, grades 9-12. Teams outside the Central Rivers AEA region may be allowed to compete on a limited basis. These teams, however, are not eligible for school team awards. Their resulting scores will be shared with the appropriate officials in their AEA region to be used to report their results. Teachers outside Central Rivers AEA who would like to have their students participate should contact Larry Escalada at (319) 273-2431 or Lawrence.Escalada@uni.edu at least two weeks in advance of the competition.

The Official 2018-19 rules clearly indicate that an individual school may enter multiple teams but it is up to the individual AEA committee to determine how many teams from a school may compete at the regional competition. For the UNI/Central Rivers AEA Regional Physics Competition, the number of school teams from one school is NOT limited. However, the
official rules do state that only one team from any school may advance to the state competition. For the UNI/Central Rivers AEA Regional Physics Competition, an individual school should enter only a maximum of 3 event teams per event. If you are planning on having more than 3 event teams, please contact Larry Escalada. Since the challenge problem is a timed event, the number of available time slots for each school will be limited. On-site sign up for these time slots will be required. Time slots for the challenge problem will be allocated to one school team per individual school. Although the soda straw arm is a timed event, time slots will not be used. A number of student teams will have the opportunity to compete in the soda straw arm at the same time throughout the morning. Multiple school teams from an individual school will share their awarded points from their top teams representing their school in the challenge problem. A teacher, school official, or adult representing the school must accompany each school team and each group of event teams.

Student Fee
A fee of $2.00 will be charged for each student participant. Please pay by check or exact cash when you register for the competition. Checks are payable to UNI Physics Department. School P.O.’s will also be accepted. P.O’s can be sent to Becky Adams (319-273-2420 phone) via email (becky.adams@uni.edu) or fax (319-273-7136). The registration fee helps pay for student medals, trophies, certificates, equipment, etc.

Advanced Registration and Compliance Forms
Event and school team registration are to be submitted prior to the competition by Friday, March 22, 2019. Registration after the deadline will be allowed, but a late fee of $5 will be added to the total registration amount. Compliance forms must be completed and submitted at the registration table on-site on the day of the event. Submit one event registration form for each event team entered. School team members must be listed for the event they will be competing in on the school team registration form. An event team registration form for school team members should not be completed unless they will be competing in other events outside the school team. See http://www.physics.uni.edu/outreach/uni-physics-olympics for forms.

Parking
All events will take place in the UNI McLeod Center. Entry to the McLeod Center will be at the Panther Parkway Entrance (SW) and the 27th Street/UNI Student Entrance (SE). These entrances are on the opposite side of the UNI-Dome and face 27th Street. The registration area will be on the North side of the main playing floor.

Bus parking will be available in the 27th Street R lot. Limited car and van parking will be available at the West Dome B lot west of Panther Parkway. See https://uni.edu/publicsafety/sites/default/files/parkingregmap16.png. To avoid parking fees, teachers/school officials and non-UNI judges/Helpers can pick up parking permits for their vehicle at the registration area.

Concessions and Food
Participating students and teachers are welcome to bring food and refreshments but they are restricted to eating on the first 5 rows of seats located at the South end of the basketball court. Schools are responsible to clean up any and all of their trash from food, refreshments, and their devices for the competition. Garbage bins will be placed on the North and South ends of the basketball court.
Help with Scoring and Judging
We invite teachers of participating students and others to provide assistance in the actual judging and scoring for events. Experienced judges and scorers will be on hand to provide guidance. We need many volunteers to help! If you are interested and willing to help with the judging and scoring for the UNI/Central Rivers AEA Regional Physics Competition (March 26th) and/or the State of Iowa Physics Competition (April 9th), please contact Larry Escalada at (319) 273-2431 via phone or Lawrence.Escalada@uni.edu via email.

Contact:
Feel free to contact me if you have any questions or concerns. I can be reached at (319) 273-2431 via phone or Lawrence.Escalada@uni.edu via email. We are looking forward to interacting with the area’s best physics students and teachers again this year! We hope to see you at the McLeod Center on March 26th.

Please note that the information provided above may be subject to some change. Check for the latest updates at http://www.physics.uni.edu/outreach/uni-physics-olympics.