

## ASM Chapter 2019 Student Night

### Building a Solar Car for the Future: The Iowa State University Solar Car Team

Join **Rachel Eckert, Ashlyn Haack and Joshua Bump**, and members of the Quad Cities ASM Chapter for pizza (free to students, teachers and members) and to learn about state-of-the-art technology and materials used in solar car designs that will change the paradigm of transportation.



The ASM Quad Cities Chapter will host students, teachers, members and guests at the **John Deere Moline Technology Innovation Center, MTC Sharing Rooms on Monday, March 18, 2019.**

Team PrISUm from Iowa State University is part of an effort to make day-to-day solar energy implementation a reality by designing and manufacturing a solar car. Building a real vehicle is an incredibly complex and rewarding project and students will share information about factors taken into consideration during design, including aerodynamics, materials and structures, solar efficiency, and more. Details relevant to materials challenges will be highlighted, including how composites are used to reduce weight, how effective molds are created, and innovative methods by which parts are built.

**5:30-6:00 pm** – Meet at the John Deere MTIC (see map) for refreshments and conversation

**6:00-6:30 pm** – ISU Solar Car Team presentation (NOTE: We will eat during the presentation.)

**6:30-7:00 pm** – Additional Questions and Discussion

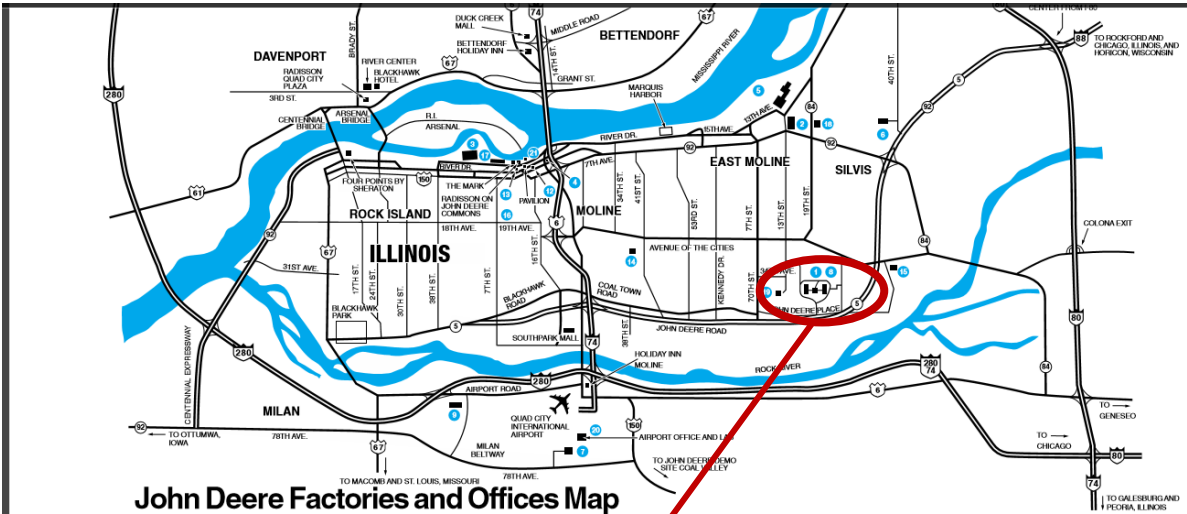
RSVP at <https://goo.gl/eec6C8>. **RSVP is REQUIRED and must be received by Wednesday, March 13th.** REGISTER EARLY - Seating is limited and students will have priority. Contact Bob Gaster at [bgaster5280@gmail.com](mailto:bgaster5280@gmail.com) or call 563-340-8862 if you have problems registering.



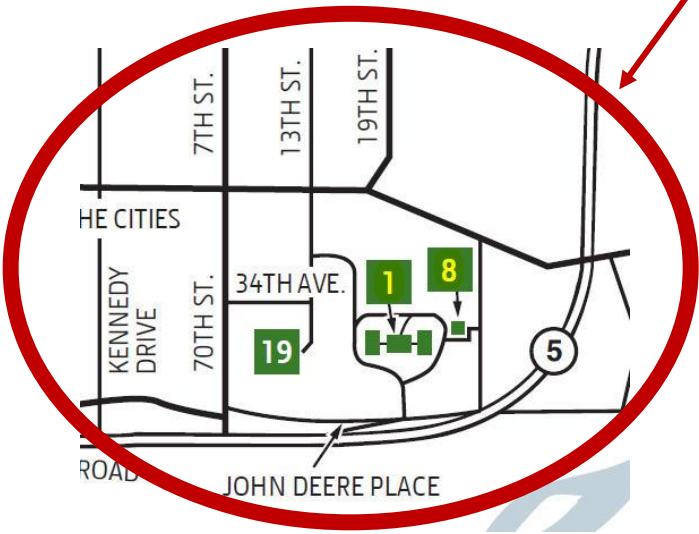
# Quad Cities Chapter

The Materials Information Society

## Directions to the John Deere Moline Technology Innovation Center



John Deere Factories and Offices Map



The John Deere Moline Technology Innovation Center (#8 in the figure) is a separate building located on the road just past the East Parking lot of the John Deere Corporate Headquarters campus. From John Deere Place, drive up the Corporate Headquarters entrance road, following the road to the right (east) side of the Headquarters building (#1 in the figure). The parking lot is to the right. Drive through the parking lot, exiting on the east end and you will see another building on the left (north) side of the road (#8 in the figure). You can park in the small visitors' lot in front of the building or in the employee parking lot to the right of the building. Walk to the front entrance (NOT the revolving doors on the east side), and there will be someone there to allow you to enter, pick up your visitor's badge and get directions to the MTC Sharing Rooms for the presentation.

### Quad City ASM Chapter Executive Committee

Cynthia Krist, Myrissa Maxfield, Michelle McKinney, Matt Poulter, Chuck Nielsen and Bob Gaster